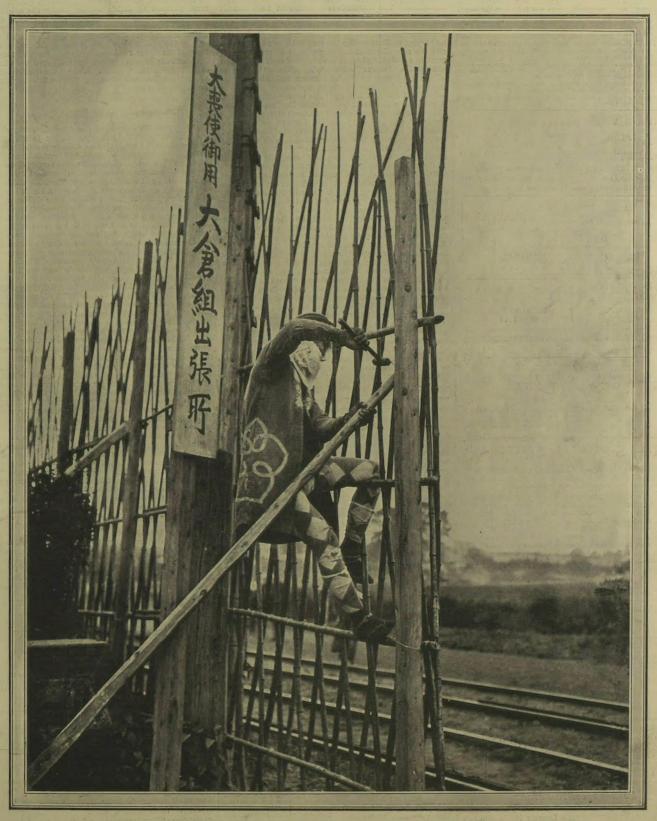
No. 3829.- VOL. CXLI.

SATURDAY, SEPTEMBER 7, 1912.

With Supplement: "Comet" | SIXPENCE.

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WITH HIS TRADE SIGN ON HIS "COAT" AND WITH HARLEQUIN-LIKE PANTALOONS: A WORKMAN ENGAGED ON THE BUILDING OF THE BAMBOO FENCE ROUND THE AOYAMA PARADE GROUND, WHICH IS TO BE THE SCENE OF THE FUNERAL OF THE EMPEROR OF JAPAN.

It is interesting to note, in connection with the fact that the sign of the workman's trade is very easily visible on his "coat," that such signs are used even on the Japanese umbrella. "The common kind, such as is used by servants going out on an and his trade sign if he is an artisan, or tradesman, and sometimes his address as well."

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#### HARWICH ROUTE TO THE CONTINENT

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ARRICK.

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#### DEATH.

The death is announced, on August 20th, at Pembury Hall, Kent, of Mrs. Henry White (D'ouchy), widow of the late Henry White, Esq., J.P., &c., of 30, Queen's Gate, London, and youngest surviving child of the late Rev. Henry Augustus Holden, of Addison Road and Weedon, Northants. She was the sister of Mr. Luther Holden, sometime President of the Royal College of Surgeons, and of Canon Henry Holden, of Durham, and cousin of the well-known classical scholar, Dr. Hubert Holden.

#### NOTE TO CONTRIBUTORS.

It is particularly requested that all Sketches and Photo-Graphs sent to The Illustrated London News, especially those from abroad, be marked on the back with the name and address of the sender, as well as with the title of the subject. All Sketches and Photographs used will be paid for. The Editor cannot assume responsibility for MSS., for Photographs, or for Sketches submitted.

#### THE PLAYHOUSES.

"DRAKE." AT HIS MAJESTY'S.

"DRAKE." AT HIS MAJESTY'S.

(See Ulustransows.)

A PICTURESQUE, breezy, and stirring piece of drama such as its subject demanded has been constructed by Mr. Louis Napoleon Parker from the gallant career of Sir Francis Drake, and he must be a poor Englishman who does not, as he watches its series of tableaux, and listens to the brave rhetoric that accompanies them, feel himself instinctively responding to its romantic and patriotic appeal. Of course, this "Drake" is not so much a play as a pageant, in which the great sea-captain and his Queen move as central figures. Though Sir Francis had his charming love-affair with Bess Sydenham, and there is splendid dramatic material in the story of Thomas Doughty's conspiracy, and the stern execution with which his comrade visited his crime, the life of the Elizabethan hero cannot lend itself to the scheme of a close-knit play, because it is so full of episodes and adventures. The alternatives a dramatist finds himself confined to in such a case are selecting and magnifying a particular incident, or else summarising—as Mr. Parker has done—the whole career in a succession of typical scenes, and trying to illustrate by the way the spirit of the man and his age. Even if a conspectus is attempted much must be omitted, and when the object of such spectacular treatment is, as it is at His Majesty's, to show in the example of one great man an England grown suddenly self-conscious and self-reliant, obviously to dwell on his hour of eclipse and failure would spoil the general effect. So it is a young and gloriously successful Drake we see—the Drake who crossed the Isthmus of Darien and sailed round the world and helped to beat the Armada, and was the darling of his country and his Sovereign. There is just enough sequence in the details selected, with the background of a nation seemingly always ready to make holiday and join in welcomes to homecoming wanderers or the procession-making Queen, for the playgoer to get a certain impression of unity, and Mr. Parker has the happy knack o

#### "REBECCA OF SUNNYBROOK FARM," AT THE GLOBE.

is the message of the play.

"REBECCA OF SUNNYBROOK FARM." AT THE GLOBE.

"Rebecca of Sunnybrook Farm," which Mrs. Kate Wiggin and Mrs. Charlotte Thompson have adapted from the former's "Rebecca" books, is, like its popular predecessor, "Mrs. Wiggs of the Cabbage Patch," one of those domestic dramas, very unsophisticated in form and very sentimental in feeling, but with touches of genuine observation and with opportunities for effective characteracting, that have always been popular with the American public. Rebecca is a child of thirteen, who, to relieve the family pressure at home, is consigned to the care of her maiden aunts, of whom the only one that counts is peculiarly cross-grained and harsh. But, though the little woman makes a bad start, her sweetness of nature and happy "Buntyism" gain everyone's affection, and bring her to a conclusion that, as she says, is "just like a fairy story." It will be gathered that the action is very slight, and the piece is, indeed, not so much a play as a succession of scenes, a little nosegay of rural American life. But there is a genuine value in its pictures of local manners, of a people who speak our own tongue, but are utterly unlike us in habits of thought and in outlook; and, though one could wish that the abundant sentiment was expressed with much more reticence, and that the homely humour of the piece was not so strongly emphasised, a certain freshness and whimsical interest cannot be denied the piece. The entire American company have been brought over for the London production, and most of the artists were new to this country. Miss Edith Taliaferro, who plays Rebecca, is so petite of stature that she looks a verychild, and though her style is a little mannered, she makes the part effective and tolerably convincing. Among the rest mention may be made of the maiden aunt of Miss Marie Day, a genuine New England study; the garrulous Marie Day, a genuine New England study; the garrulous Marie Day, a genuine New England study; the garrulous marie Day, a genuine New En

#### AT THE BOOKSELLERS'.

NELSON. General Booth. (Vario F. V. WHITE.

Mother Mandarin. Fergus Hume. The Wind Among the Barley.

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The Boy's Playbook of Belence.
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The Rake's Progress. Marjoric Bowen, Jr. net. Cutcliff Hype & C. Cutcliff Hype & C.

#### THE "COMET" CENTENARY AT GLASGOW

GLASGOW, as all the world knows, has been holding celebrations in honour of the Centenary of Henry Bell's little steam-boat, the Comet, launched on the Clyde a hundred years ago, and the first steam-propelled passenger-boat to ply regularly in British waters. Henry Bell little dreamed, perhaps, of the immense results which would grow out of that momentous, but at the time somewhat ridiculed, experiment. From it began the whole evolution of British steam-navigation, and, incidentally, the commercial prosperity of Glasgow. Therefore, Glasgow does well to honour the memory of her great son. In view of these events, we have thought the moment particularly appropriate to present our readers with an illustrated Supplement, dealing not only with the actual celebrations, but with the civic and industrial life of Glasgow generally, and especially, of course, with the great shipbuilding and shipping enterprises which form so important a part of the city's activity. The Supplement includes an article tracing briefly the origin and development of steam-navigation and the lives of its principal pioneers, illustrated with many portraits and relics. Other pages give photographs of Glasgow's leading men of the present day, while others, again, deal with the story of the Clyde Trust and its work. Some of the chief Transatlantic lines which run from Glasgow are also the subject of descriptive articles, as also is the modern method of rock-breaking and dredging. The whole Supplement is abundantly illustrated.

#### GOETHE.

GOETHE.

SIR J. SEELEY complained some time since that we have too few books about Goethe, and Mr. Joseph McCabe has sought to do something to remedy the defect. His "Goethe: The Man and his Character" (Eveleigh Nash) is the result, and will doubtless please the large section of the reading public that loves those intimate personal details and speculations upon the side of a great man's life which cease to have any significance when he dies. A man's loves and passions may be, in part, a motive-force in determining the direction of his work, but only the work remains. Mr. McCabe wields a clean pen, he does not write for the prurient, and, in these days of salacious biography, the absence of the muck-rake method must be counted to him fer righteousness. At the same time, it seems to us that Goethe's relations with all manner of women who appealed to the sensuous or sensual side of him receive undue prominence, even here, nor is there any finality in his biographer's opinions. He corrects G. H. Lewes and the indefatigable Bielschowsky; he finds fault with the accuracy of "The Mother of Goethe," by Margaret Reeks, reviewed some months ago in these columns; but it follows as surely as the night succeeds the day that another commentator will arise in due course to denounce Mr. McCabe's opinions. The history of Goethe's countless intrigues is obscure, and lends itself to as many different views as any given number of biographers can muster. When all is said and done, these views do not matter; we can never ascertain the exact truth, and if we could, the discovery would be worth nothing. One who has not the lately developed taste for certain forms of biography wearies of the recitals of liaisons. Whether Goethe's amours had been twice as many or half as many, his claim upon our regard would remain where it is. We turn with a sense of relief from the lengthy recital of a great man's weakness to the larger and more significant side of his life, to those curious excursions into the realm of Science, with which his latest

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# ELIZABETHAN BIG-NAVYISM: THE PAGEANT-PLAY, "DRAKE," AT HIS MAJESTY'S



- 1. AN OUTLAW INTERRUPTS THE BOWLS ON PLYMOUTH HOE WITH THE NEWS THAT THE ARMADA IS NEAR, AND DRAKE DECIDES THAT THERE IS TIME TO FINISH THE GAME AND THEN TO BEAT THE SPANIARDS.
- 2. DURING THE ENCOMPASSING OF THE WORLD: DRAKE, HIS DRUMMER, AND HIS OFFICERS ABOARD THE "GOLDEN HIND" AT PORT ST. JULIAN.
- 3. QUEEN ELIZABETH, MUCH IN FAVOUR OF DRAKE'S "PIRACY," SNUBS LORD BURLEIGH, WHO CAN TALK OF NOTHING BUT THE WEAKNESS OF ENGLAND AND ADVOCATES THE BOWING OF THE KNEE TO SPAIN.

"Drake," which was produced at His Majesty's for the first time on September 3, is so all intents and purposes a big-navy play. In effect, Queen Elizabeth and Drake say: "We have given you a navy; we have shown you that that navy can fight; we have opened the seas of the world; see to it that they are never closed." Drake, indeed, standing before the west front of Old St. Paul's, says: "The little apot ye stand on has become the centre of the earth. From this day forward, the English merchant can rove whither he will, and

no man shall say him nay." In the first photograph Mr. Lyn Harding as Drake is seen in the centre; on his left are Mr. Henry Morrell as Sir George Sydenham, Miss Stella St. Audrie as Dame Sydenham, and Miss Amy Brandon-Thomas as Eizabeth Sydenham. In the centre photograph Drake is again the chief figure; and behind him is his Maroon-Indian drummer. In the third are Mr. Bassett Roe as Lord Burleigh, Miss Phyllis Neilson-Terry as Queen Elizabeth, and Mr. Lyn Harding as Drake.



BY G. K. CHESTERTON

S there is a thing called intensive cultivation, so As there is a thing called intensive cultivation, so there ought to be a thing called intensive reading; the reading of a sentence at a time, so as to feel the full weight of the common words we use. It would resemble, more than anything else, the verbal vigilance used in the atrocious task of proof-reading, on which I have been engaged for some days; that task in which one must be always on the look-out for the rising sun appearing as a rising bun, and in which the powdered flunkey of romance sent out to call a cab must be watched over to see that he does not call a cat instead. But while the proof-reader must be on the look-out for words that make nonsense, the intensive reader should be on the look-out for words that

reader must be on the look-out for word nonsense, the intensive reader should be on the look-out for words that make sense, and seek to extract the real sense of them. If he takes any quite ordinary sentence, such as "Mary had a little lamb," he will find vistas of branching thought in every word. The word "Mary" reveals a forest of legends, creeds, and controversies. The word "had" is the pivot on which Socialism, Capitalism, Syndicalism, and the whole dizzy wheel of our industrial age is perpetually turning. The word "little" opens the bottomless chasms of the philosophic arguments about relativity and differences of degree: as well as suggesting, when taken with its context, the mystery of affectionate diminutives and the love of limited things. At first sight it seems needless to speak of a little lamb, lambs being seldom gigantesque. But the poet talks of a "little" lamb as he patriot talks of a "little" lamb as he patriot talks of a "little lamb, lambs because we all make a thing little when we want to make much of it. And as for the word "lamb," there really seems to be nothing from hagiology to housekeeping that could not be And as for the word "lamb," there really seems to be nothing from hagiology to housekeeping that could not be talked about in connection with it. There is something more in a word than its first derivation or its last definition. There is its value, the power and magic in it; and the learned even more than the unlearned seem today to be singularly listens. seem to-day to be singularly listless and reckless about the value of words. I should say that "Mary had a little lamb" was generally said with more responsibility and realisation of the words than "England has a little Navy" or "Lloyd George is a Little Englander."

A wider way of using somewhat the same principle is to note in any proverb, story, or song that crops up by accident any traces of the large political or moral questions of the day. We can generally see more of how history has really gone by these glimpses into old human life than by pompous but partisan modern histories. For but partisan modern histories. For historians lie like travellers; and philosophic historians lie like fishermen (an equally philosophic class): but fables are never quite fabulous. I was any sed to active the other day that amused to notice the other day that a complete analysis of all I think most

a complete analysis of all I think most crucial and complicated in our present national crisis could be worked out as an analysis of the song of "Sally in Our Alley." For, though that noble lyric belongs to a time long after the best ages of the Citizen and the Guild, it is in the tradition of these things and contains no hint either of modern Capitalism or modern Collectivism. Indeed, the song is full of phrases that linger living out of the Middle Ages. For instance—

the Middle Ages. For instance—
My master comes like any Turk,
And bangs me most severely.

This instinctive use of the Turk as the typical tyrant
tells more than the histories ever do about that
long wild war of all the West against Islam, and the
flaming heart of the Crusades. flaming heart of the Crusades.

But the key of the song, for us here, is that it is the song of an apprentice. And its primary point and sharp lesson for our existing Capitalism is this: and sharp lesson for our existing Capitalism is this: that if the apprentice is banged or debarred from marriage, it is because he is an apprentice, not because he is a proletarian. He is banged because he is young, not because he is poor. He is prevented marrying because he is young, not because he is poor. When his seven long years are o'er, oh, then he 'll marry Sally. But modern Capitalism means that the clerk, when his seventy long years are o'er, finds his hopes of doing so rather less radiant than they were before. With the apprentice it was first

was already quite fitted to be a Citizen and Liveryman of London. But, indeed, he had no necessity for any disguise (except, doubtless, in the matter of meetings with Sally), because he had the thing that no modern industrial worker has-normal security for the normal fulfilment of his liberty and his love.

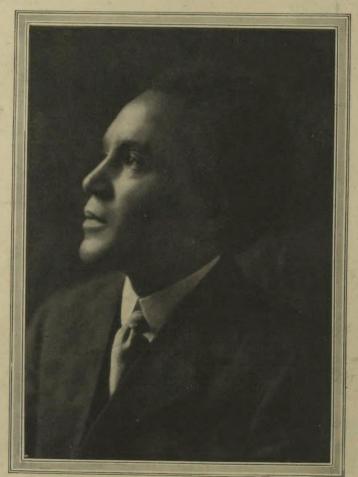
An exceedingly wise and forcible leading article which appeared recently in the New Age pointed out that both the guild and the family were really barriers

that both the guild and the family were really barriers against Capitalism; and that the industrial lords are now destroying the family as they have already destroyed the guild. It is not Socialism, but Capitalism that is the enemy of marriage. It is not the working class who ought to be or who are breaking down the doors and windows of domesticity; it is the great employers with their loveless hives, their homeless living-in, their compulsory Insurance Acts, their imless hives, their homeless living-in, their compulsory Insurance Acts, their impudent money-boxes, their fines, their uniforms, their perpetual appeal to the school, to the prison, to the mad-house, to the hospital—to anything rather than the home. It is not "L'International" that Socialists ought to be singing; they ought to be rousing us (in a thundering chorus) with "Sally in our Alley." Alley.

> For Sally is in a very narrow alley just now—a long lane that has no turning, and where she does not always even meet the apprentice at last. I know some of the modern industrial I know some of the modern industrial women say they like the modern industrial life: all I can say is that, if they do like it, they are the only people who do. The employer is quite as anxious to get away to the golf links as the workman to get away to the public-house; the banker has quite as many mad impulses to go to Cannes as the clerk has to go to Cannes. But the the clerk has to go to Canada. But the majority of working women one meets do not even pretend to think their situation normal, but defend it (quite justly) as being an unusual necessity in their case. I do not believe the ordinary woman (or the ordinary man, for that matter) even prefers the freedom of celibacy, or the fierce exposure of competition. I do not believe (in short) that Sally likes being Aunt Sally, or the game in which the world throws things at a spinster.

There is another thing to remember about the banging individual with the amorous apprentice. If the master banged, it was because the master was a schoolmaster. If the apprentice in question was, let us say, a shoemaker's apprentice, then the man over him was not merely his employer. The man over him was something, at least, nobler than a capitalist: he was a shoemaker. His power was not in the mere fact that he could pay money to other that he could pay money to other people to be shoemakers for him: it

was in the fact that other people had to come to him to learn shoemaking. He was a master, not in the sense that we speak of masters and men in a coal strike; he was a master in the sense that we speak of a Master of Arts. He ruled his apprentices because he was more of a workman. than they. The modern capitalist rules his workmen because he is not a workman at all. And anyone who is really more of a workman is generally more of a man; and the arrangements of the old crafts and guilds, while they may have permitted some virile vices, permitted also the virile virtues. The old system expected the marriage of the apprentice. The present system expects nothing but clerking from the clerk.



THE MUSICAL INTERPRETER OF "HIAWATHA": THE LATE MR. SAMUEL COLERIDGE-TAYLOR, THE WELL-KNOWN COMPOSER.

Mr. Coleridge-Taylor, who died of pneumonia on September I after a very short illness, was born in 1875. His father was a native of Sierra Leone, and his mother an Englishwoman. His reputation as a composer was largely based on his settings of Longfellow's "Hawatha," including his first important work, "Hawatha," Wedding Feast," first performed at the Royal College of Music (where he was trained) in 1898, and two other cantatas, "The Death of Minnehaha" and "The Departure of Hiawatha." At the time of his death he was also composing a ballet of "Hiawatha." Among his other works were an oratorio, "The Arotronic," given at Hereford in 1903, and a cantata produced last year, "A Tale of Old Japan," set to the poem by Alfred Noges. Mr. Coleridge-Taylor was very popular as an adjudicator at competitive choral festivals, and as a teacher.

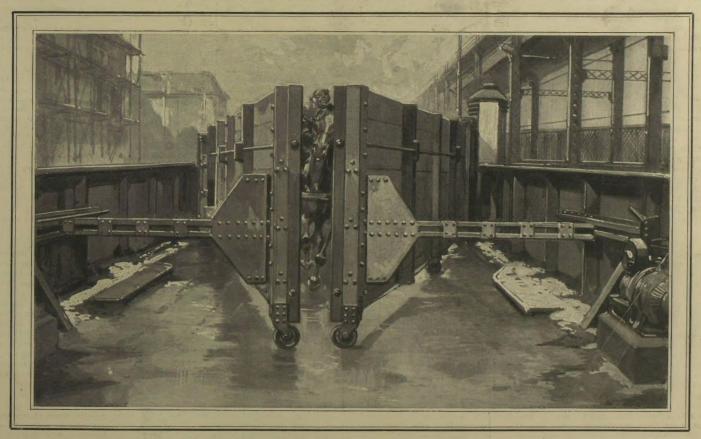
slavery and then liberty; for the clerk it is perpetual slavery combined with perpetual insecurity. Sally's lover suffered from sorrows that time itself normally tended to cure. He was only too young at seventeen; he was not "too old at forty." In our grand moral capitalist society of to-day it is a common thing for a man to dye his white hair black in order to keep his situation—the capitalists' commentary on the sacred text that grey hairs are a crown of glory. But if the apprentice in the song had gone in for any disguise, it would rather have been the other way about. I suppose he would have whitened his head with flour, or stolen his master's spectacles, slavery and then liberty; for the clerk it is perhis head with flour, or stolen his master's spectacles, or walked with as light limp, to indicate that he

#### BOTTLE-NECKING FOR RUNAWAYS: A DEVICE FOR STOPPING HORSES.

DRAWN BY H. W. KOEKKOEK FROM PHOTOGRAPHS IN THE PRIVATE BULLETIN OF THE NEW YORK EDISON COMPANY.



A GATE, WORKED BY ELECTRICITY, DESIGNED TO BRING RUNAWAY HORSES TO A STANDSTILL: THE DEVICE CLOSED, SHOWING HOW ITS SIDES NARROW TO CATCH THE HUBS OF THE WHEELS AND SO STOP THE VEHICLE.

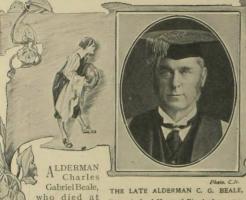


THE WHEELS OF THE CART CAUGHT BY THE WALLS OF THE GATE AND THE HORSE STOPPED: THE "RUNAWAYS" GATE" IN USE.

Our correspondent, sending us the photographs from which these drawings were made, says, of the electric gate installed recently on the Williamsburg Bridge, New York, for the catching of runaway horses: "The bridge used to be notorious for the number of runaway horses which, week by week, crashed into a barrier which had been installed halfway over it, and was swung round on the spproach of the frightened animal by the policeman stationed there. A bridge department labourer submitted to the Bridge Commissioner a simple plan to stop the killing and injuring of horses by this device. His idea was to check the horse before he could come in contact with the restraining barrier. A new gate was built, consisting of two

parts. These were placed parallel to the sides of the bridge. When needed they were swung out by electric power to the centre of the bridge, until they approached within a foot of each other. The scared horse makes for this opening, but before he reaches it, the wagon has been caught—the narrowing sides of the gate have gripped the hub of the wheels, and the animal is powerless and unharmed. All the checking power has been applied from the crear, and the horse finds himself shouldered with a burden he cannot move. After a few seconds he calms down, and is driven away. This gate has stopped over one hundred runaways, not one of which was seriously injured. Others of its kind are likely to be set up at various points."

PORTRAITS & PERSONAL NOTES



THE LATE ALDERMAN C. G. BEALF, Formerly Lord Mayor of Birmingham-pro-minent during the Railway Strike last year.

was Lord Mayor of that city in 1897 and the two following years, and was Vice-Chancellor of Bir-mingham University. Last year he be-came more widely known as a member of

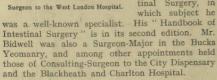
the Railway Strike to inquire into the working of the Railway Conciliation Scheme. The working of the Railway Concination Scheme. The men's trade unions objected to his serving on the Commission owing to the fact that the firm of solicitors to which he belonged—Messrs. Beale and Co.—were solicitors to the Midland Railway. The Board of Trade replied that he, personally, had not for many years

the Royal Commission appointed during

Birmingham on

acted legally for any railway company, but his municipal and educa-tional work in Birmingham had taken up all his time.

Mr. Leonard Arthur Bidwell, who died on Sept. 2 at the age of fortyseven, had long been associated with West London Hospital, where he was Surgeon, Dean of the Post-Graduate College, and Lecturer on Intestinal Surgery, in which subject he



THE LATE MR. L. A. BIDWELL, F.R.C.S.

Everyone was glad to hear that the Kaiser had recovered from his recent indisposition and that he had returned to Berlin full of vigour and go At a banquet in the royal castle in honour

of the Province of Brandenburg, he made a very optimistic speech, favourably comparing the present state of Germany with that of the past. "Protected by an Army ready for battle," he said (to quote the Times), "and by evergrow



THE LATE MR. CLINTON DENT, The eminent Surgeon and well-known Alpine Climber.

of war, the countryman is able in our ordered commonwealth to till his land, the merchant, the manufac turer, and the artisan to follow each his business, be certain of his well - de-served hire." On Sept. 2 the Emperor left

ing Navy, from

foreign arro-gance, and from the onslaughts

Berlin for his visit to Switzerland and the Swiss Manœuvres. He received an enthusiastic welcome on his arrival at Zurich.

Mr. Clinton Dent was equally famous both in his profession of surgery and in his recreation—that of mountaineering. He became a Fellow of the Royal College of Surgeons in 1877, and later was its Vice-President. Among the important appointments which he held were those of Surgeon and Lecturer at St. George's Hospital and Chief Surgeon for the last eight years, to the Metropolitan Police. He was the author of many medical treatises. His career as a climber began in 1872, when he joined the Alpine Club, of which he was President in 1887. He made the first ascent of the Aiguille du Dru, and of the Rothhorn from the Zermatt side.



WELL AGAIN, AND ABLE TO ATTEND THE SWISS MANŒUVRES: A NOTABLE NEW PORTRAIT OF THE KAISER.

Mr. S. F. Cody's persevering efforts and dauntless courage in the cause of aviation at last received their due reward by his success in the Military Aeroplane



WINNER OF £5000 IN THE MILITARY AEROPLANE COMPETITION: MR. S. F. CODY IN HIS BIPLANE.

Competition, as a result of which he has been awarded by the Army Council the first prize of £4000 for his biplane in the class open to aeroplanes made in any



THE LATE LADY CLARINA, Who died from injuries in a carriage accident at Limerick.

country, as well as the first prize of £1000, open to British subjects,

made wholly (except the engines) in the United Kingdom. His present machine, which save for the engine, he invented, designed, built and piloted himself, has been bought

by the War Office for £1000. Mr. Cody, who is now fifty-one, had a reputation for horsemanship before he took up air-navigation.

He began with kites, and in 1906 he was appointed by the War Office chief instructor in kite-flying. The same year he was naturalised as a British subject. He was flying at Aldershot some months before Wilbur Wright's first public

flights in France. In September 1909 he made a record for a forty-mile cross-country flight, and in 1910 he won the British Michelin Cup for a duration-flight of four hours fortyseven minutes.

Clarina, Lady who was badly injured in a carriage accident at Limerick on Aug. died nine days later in a nursing home in that town. was formerly Miss Sophia Mary Butler, daughter of the



late Mr. James
Butler, of Castle Crine, County Clare. Her marriage to the fifth Baron Clarina, as his second wife, took place in 1887. She had four daughters, the eldest of whom was married two years ago to Mr. E. B. Butler-Henderson.

Colonel Telfer-Smollett, who was killed in the

Colonel Telfer-Smollett, who was killed in the overturning of a motor-car in Ayrshire, was a descendant of Tobias Smollett, the novelist. He entered the Army in 1874, retiring in 1891. When the South African War broke out, he was recalled to the active list, and appointed Deputy - Assistant - Adjutant - General at Edinburgh. He was a J.P. for Dumbartonshire, and two years ago was Unionist candidate in the Perth Burghs

Perth Burghs election.

Lord Grey de Ruthyn bore his part, as Hereditary Bearer of the Great Gold Spur, in the Coronations both of King Edward and King George. The late Peer was born in 1858. His 1858. His father, who is still alive, is Mr. Augustus ton, of Warton Hall, Lytham;

THE LATE LORD GREY DE RUTHYN,

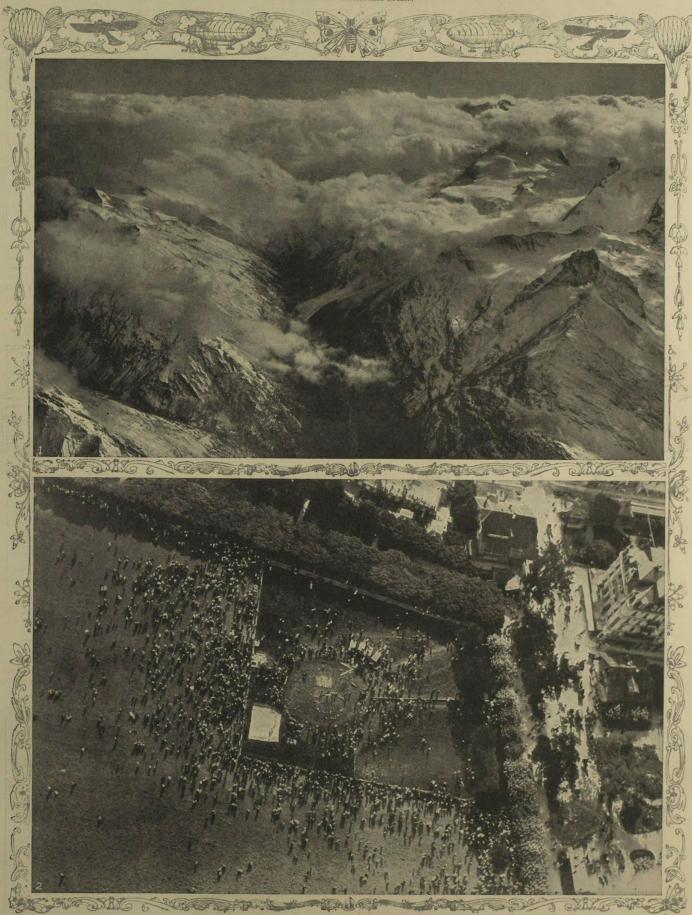
his mother was the late Lady Grey de Ruthyn, his mother was the late Lady Grey de Ruthyn, whom he succeeded in 1887. She was a sister of the last Marquess of Hastings. In 1892 he married Miss Evelyn Foster, daughter of Mr. James Foster, of Cranborne Hall, Windsor Forest. She died seven years ago, and her only child died in the year of his birth, 1893. Lord Grey de Ruthyn is, therefore, succeeded by his brother, the Hon. Cecil Talbot Clifton.



The 24th Baron, and Hereditary Boof the Great Gold Spur.

# THE ALPS FROM ABOVE: A CROSS-MOUNTAIN BALLOON JOURNEY.

PHOTOGRAPHS BY ILLUSTRATIONS BUREAU.



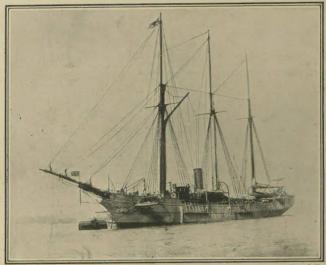
 PHOTOGRAPHED WHILE THE BALLOON WAS AT A HEIGHT OF 17.000 FEET: CLOUDS ON THE MOUNTAIN TOP, TAKEN FROM CAPTAIN SPELTERINI'S BALLOON.

It will be remembered that on two or three occasions we have published in "The Illustrated Loadon News" very remarkable photographs of mountain tops and passes photographed from a balloon by Captain Spelterini. A few days ago the Captain, accompanied by Mr. Console as photographer, started by balloon from Interlaken and drifted across the Alps to Unter-Ammergau. in Upper Bavaria. There both pilot and passenger were detained by the police for

2. PHOTOGRAPHED AT THE START OF THE RECORD CROSS-MOUNTAIN AIR-VOYAGE:
INTERLAKEN FROM ABOVE, SHOWING THE CROWD WATCHING THE BALLOON
AS IT LEFT THE PLACE OF ITS INFLATION IN SWITZERLAND.

an hour and a half, presumably on the suspicion of being spies, and were then released without explanation. The distance covered in the fourteen and a-half hours of the journey was not less than 250 miles, and the record altitude of 17,550 feet was attained. Bitterly cold weather was experienced, during the night more particularly. The crossing of the Central Alps by balloon was in itself a feat never before accomplished.

#### FROM THE WORLD'S SCRAP-BOOK.



SUNK IN COLLISION WITH A COLONIAL STEAMER, AND NOW UNDER FOUR FATHOMS OF WATER: H.M.S. "WATERWITCH," A SURVEYING - VESSEL.

The Secretary of the Admiralty issued a statement the other day that a telegram had been received from Singapore to the effect liat H.M.S. "Waterwitch" had been in collision with a Colonial steamer, and had sunk in four fathoms of water; and that a private of the Royal Marine Light Infantry and a Chinese Glicers' steward were missing. The "Waterwitch," which was of \$20 tons, was originally axacht, and known as the "Lancashire Witch." The Admiralty purchased her for use as a surveying ressel, and she was re-commissioned at Hong-Kong last March.



OPENED WITH THE AID OF NITRO-GLYCERINE: THE TON-AND-A-HALF SAFE FORCED BY BURGLARS AT THE LONDON HIPPODROME.

There was a daring burglary at the London Hippodrome early on the morning of September 2, and the thieves, who rendered the watchman unconscious, it is believed with ether, and blew open a safe with nitro-glycerine, or some other explosive, got away with between four and five hundred pounds in gold, silver, and notes. The only clue to the thieves seems to be a tiny piece of a shrapnel shell with a gold plate bearing the words "South Africa, 1900." This had probably formed a watch-chain charm.



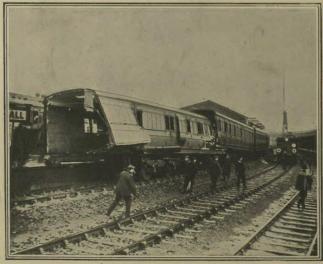
SAID TO BE AT LEAST AS GOOD AS THE VERY SUCCESSFUL CODY "CATHEDRAL" THE ROYAL AIR - CRAFT FACTORY'S BIPLANE "B. E. 2."

It is said of the excerimental biplane "B. E. 2," here shown landing on ploughed ground, that it acquitted itself as well as Mr. Cody's winning biplane during the recent Army tests, in which it competed unofficially under the pilotage of Mr. de Havilland. Amongst other things, it set up a new British record for altitude with a passenger,



WINNER OF £5000 AT THE RECENT ARMY AEROPLANE TESTS: THE CODY BIPLANE NO. 31 (BRITISH), OTHERWISE "THE CATHEDRAL."

Mr. S. F. Cody, flying his large biplane, which is familiarly known as "the Cathedral," won the first of the prizes open to the world for aeroplanes made in any country-that is to say, £4000; and the first prize of £1000 open to British subjects for aeroplanes manufactured wholly in; the United Kingdom, except the engines.



AFTER AN ACCIDENT WHICH RESULTED IN ONE DEATH AND INJURIES TO OVER TWENTY: THE WRECKED CARRIAGES IN VAUXHALL STATION.



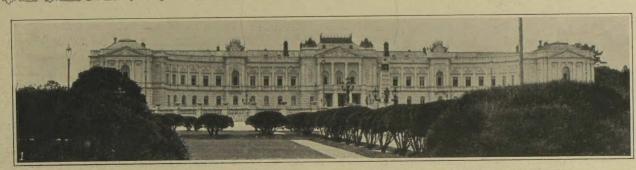
SHOWING THE TELESCOPED COACHES IN VAUXHALL STATION, THE SCENE OF THE ACCIDENT: AFTER THE RAILWAY DISASTER ON THE L. AND S.W.R.

A curious accident took place in Vauxhall Station on August 29, when a light engine, running with tender in front, ran into the rear of a stationary train which had left Aldershot for Waterloo at 6.25 a.m.

Two carriages were telescoped. One passenger was killed; four were detained in hospital; and seventeen were able to proceed home after treatment at the hospital. Tickets were being collected at the time of the mishap, and no one seems to have noticed the approach of the light engine. An hour and a half passed before all the passengers could be extricated. An inquiry is, of course, being held.

# FOR A RULER WHOSE SPIRIT WILL BE WORSHIPPED: TOKIO PREPARATIONS.

PACINITION OF THE PACINITIES.













1. A CONTRAST TO OUR DINGY BUCKINGHAM PALACE: THE NEW IMPERIAL PALACE, AT TOKIO, INTO POSSESSION OF WHICH THE EMPEROR HAS NOT YET ENTERED.

2. DRAWN BY AN OX: THE COFFIN OF THE LATE EMPEROR OF JAPAN BEING CONVEYED TO THE IMPERIAL PALACE.

3. TO BE GRANTED COURT RANK: OXEN WHICH WILL DRAW THE CATAFALQUE ON WHICH THE EMPEROR'S COFFIN WILL REST.

Preparations for the funeral of the late Emperor of Japan are proceeding apace; and last week Prince Arthur of Connaught, to whom, by the way, rumour gives a royal dukedom on his return, left London for Tokio to represent the King. The public lying-in-state is taking place in the Grand Hall of the Palace, where the coffin will remain, until the evening of the funeral service, watched by dignitaries, including Privy Councillors, Ministers of State, and members of the Genro. "A room in the Palace adjoining that in which the death occurred has been set aside," reports Reuter, "as a sanctuary for the spirit of the dead monarch, and there

- 4. MAKING SPECIAL ROADS FOR THE IMPERIAL FUNERAL: A TRACTION ENGINE MUCH IN EVIDENCE.

  5. ONE FOOT OF GRANITE BLOCKS: LAYING THE FOUNDATION OF A NEW ROAD FOR THE IMPERIAL FUNERAL.

  6. WHERE THE LATE EMPEROR DIED AND WHERE MANY CEREMONIES ARE BEING HELD: THE OLD IMPERIAL PALACE AT TOKIO.

solemn services will be performed until the close of the year of mourning, when, with much pomp and solemnity, the spirit will be transferred to the Imperial Sanctuary, within the palace, to join and be worshipped with the spirits of the other Imperial ancestors." According to precedent, the coffin of the Emperor will be borne to its reating-place on a two-wheeled catafalque of cypress wood drawn by four oxen, which, also in accordance with custom, will be granted Court rank. The funeral service will begin, at midnight, on the parade ground at Aoyams, on the outskiets of T. kio; and the actual interment on the following night, at Momoyama.



I HAD left Kandy by train at seven o'clock one morning. There had been heavy rain during the night and the hills were hidden under rolling clouds of mist. Here and there, beside the railway, appeared the warm-coloured huts of a village, with all its chocolate inhabitants squatting outside to watch the daily wonder of the passing train.

A few hours brought me to Telawakele, the heart of

A few hours brought me to Telawakele, the heart of Ceylon tea-growing, the rows of little bushes ruling sunlit hills with

close,

straight,

thin lines

of shadow

on the red, bare

earth. I visited

two fine

waterfalls

in this neigh-

bourhood

and then went up

through

the forest

scenery of

higher ground to Newara

Eliva

a Govern

ment or-

course

and golf links, its club-house

and ho-

tels, were

enough

I drove

to the east

out to

Hakgalla,

the botanic gardens. The

m e a n tempera-

ture there

is 59 to 60, and

although

the gardens are 5500 feet high, only

twice during the past twenty-

five years

has a frost

corded

below.



WHERE BLACKLEAD COMES FROM: "CURING"
PLUMBAGO, AT A CEYLON MINE.
Ceylon is the chief source of plumbago, the familiar blacklead
used for stove-polishing and pencils,

been in force prohibiting the sale of jungle-land over 5000 feet high for cultivation purposes. If more of the jungle were cleared away the lower lands would be robbed of water. The "season" at the little European hill settlement had not yet begun, and the moist air was muggy and uncom-

The "season" at the little European hill settlement had not yet begun, and the moist air was muggy and uncomfortable. It was an easy, rather monotonous, walk to the summit of Dom Pedro, the highest point in Ceylon; many of the trees I passed were covered with long grey lichens, as if matted with unkempt hair. As I looked round from the stone cairn at the top, all the far distance was hidden by cloud battalions, but the lake of Newara Eliya and its race-



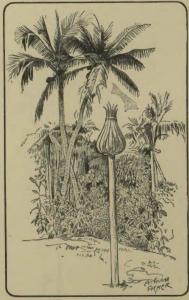
LABOUR IN CEYLON: COOLIES CLEARING A PLACE FOR

A GEM. PIT ON A MOUNTAIN SIDE NEAR RATNAPURA. Hakgalla there is good hunting with plenty of sambur (called elk by the

good hunting with plenty of sambur (called elk by the English there). Shooting sambur is now prohibited, and it is hunted with dogs and knives. This not only helps to preserve the game, but gives Europeans a better chance, as

the natives cannot usually afford to keep dogs. A few days previously the curator had shot a pair of leopards, one of which had killed a cow in a neighbouring village. The "kill" was left, and when the leopard returned to it, the curator was ready for him. The same night the she-leopard came to feed upon the cow. It seems that the male and female never feed together, but that the she-leopard takes what her lord and master chooses to leave her.

Looking east from Hakgalla, over the Uva Province, the hills are quite bare of jungle and covered with the coarse grass of what is called patna country. It is not very good for grazing, except for a short time every year after the natives have burnt it off, when the young grass is better. Over this patna land of the Uva plain I could see in the distance Diyatalawa and the camp where the Boer prisoners were kept, now used for the Ceylon Army and Navy Volunteers. One old Boer, who refused to take the



CINGALESE SUPERSTITION: A "LUCK-POLE" ON THE SITE OF A NEW HOUSE IN CEYLON.

oath of allegiance, was still living in Ceylon. He received thirty rupees per month from the Treasury, and as he was, of course, a good shot, he spent his days in hunting, and added to his income by selling skins.

I wanted to see the "gemming" country, and journeyed by train to Avisawela, whence I drove by coach the twenty-six miles to Ratnapura; it was late in the afternoon when at last I reached Ratnapura resthouse, and Adam's Peak itself appeared over the jungle, glorious under warm, rosy cloudlets that seemed to be playing a game of "touch mountain" as they passed from one pinnacle to another. The rest-house is pitched high up on the hillside, and in front of it the broad Kela Gange river gleamed that night under the stars, and the mysterious gloom of the forest brooded behind a curtain of winking fire-flies.

Just after dawn next morning I started out to walk through the jungle to visit various germing pits, becoming intimately acquainted on the way with the pertinacity of Ceylon leeches. The trees are so close together in that forest, and just when you think you are far from any sign of man but the path you are treading, you come upon a whole village. It is like the country of a fairy-tale, only the thatched huts are made

of wattle and daub instead of gingerbread, and you never know whether the chocolate people are witches or not, though some of them are very ugly. After another night at Ratnapura I started down the Kela Gange (the Black River) on a native boat. Swiftly we glided hour after hour through that wild garden of tropical luxuriance. Here large clumps of giant bamboos drooped their feathery foliage over the water—there a temple appeared upon a wall of

low which a priest ing in the river, while his yellow robe, leftin a heap on the sand gleamed in the sunlight like burning topaz buffaloes. deep in the stream, just showed their backs and noses above water, and



A DOLCE FAR NIENTE IN CEYLON: A NATIVE IN A ROADSIDE "REST."

Here and there by the wayside in Ceylon are wooden she'ter or "rests," in which the traveller may enjoy a siesta.

elephants, more sportive, indulged in unwieldy gambols. And I also, accepting this general order of the bath, dived into the Kela Gange and tried my strength against the powerful current.

Less than half-way to the sea, up among the hills on the southern side of the river, an English syndicate is working a plumbago mine with first-class machinery and expert engineers. I stopped to visit this mine, and in its dark "levels," blasted out of the gneiss rock in the bowels of the earth, saw the plumbago being hacked out in lumps. Near the top of the shaft, in a small wooden box, three little votive lamps are always kept burning—one light for God,

one for the company, and one for the miners.

miners. During the second day of the river journey came the shooting of some ra ther gentle "rapids," where brown rocks thrust their noses out of the water and we rushed on a slide to lower level. At last, some milesafter we had passed the opening of the Kelani River Canal, the long

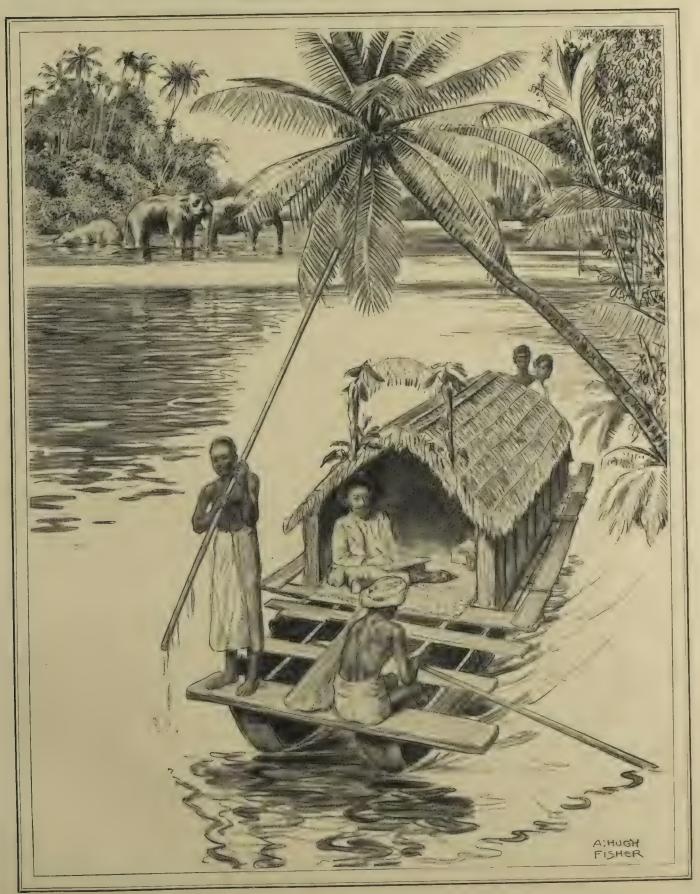


HOW THE BAKER GOES HIS ROUNDS IN CEYLON A NATIVE CARRYING BREAD THROUGH THE JUNGLE

bridge of Kaletura appeared at the river mouth with a line of fiery sunset sky behind it, and I saw again the railway, and that fringe of cocoanut palms against the sea which more than any other detail is typical of Ceylon.—A. HUOH FISHER.

# IN A BRITISH "SUMMER ISLE OF EDEN": TRAVEL ON THE KELA GANGE.

DRAWN BY OUR SPECIAL ARTIST, A. HUGH FISHER.



# A WHITE MAN ON THE BLACK RIVER: BOATING UNDER NATIVE CONDITIONS IN CEYLON.

"After another night at Ratoapura," writes Mr. Hugh Fisher, "I started down the Kela Gange (the Black River) on a native boat. Swiftly we glided hour after hour through that wild garden of tropical luxuriance. Here large clumps of giant bamboos drooped their feathery foliage over the water—there a temple appeared upon a wall of rock, below which a priest strength against the powerful current. . . During the second day of the river journey came the shooting of some rather gentle 'rapids.'" foliage over the water-there a temple appeared upon a wall of rock, below which a priest

sunlight like burning topaz. Water - buffaloes, deep in the atresm, just showed their backs and noses above water, and elephants, more sportive, included in unwieldy gambols. And I slso, accepting this general order of the bath, dived into the Kela Gange, and tried my

THE ILLUSTRATED LONDON NEWS, SEPT. 7, 1912.-349 348 THE ILLUSTRATED LONDON NEWS, SEPT. 7, 1912.

# A CALL TO THE SPIRIT OF PATRIOTISM IN THE ENGLISH PEOPLE: THE PAGEANT-PLAY, "DRAKE," AT HIS MAJESTY'S.

DRAWN BY OUR SPECIAL ARTIST, A. FORESTIER.



# WITH A MORAL FOR TO-DAY AND A POPULAR APPEAL: DRAKE UPHOLDING THE OLD TRADITIONS OF ENGLAND'S SUPREMACY AT SEA, AND ACCEPTING THE SPANISH COMMANDER'S SURRENDER.

Sir Herbert Tree arranged to present Mr. Louis N. Parker's pageant-play, "Drake," at His Majesty's Theatre, on Tuesday, September 3. Speaking of it to a "Daily Chronicle" representative before its production, he said: "It is a call to the spirit of patriotism in the English people. We see England in the vigorous days of Elizabeth faced by a great peril, and rising to meet it with dauntless courage. It has a moral for the present day, and will surely make a popular appeal to the spirit of the race. It upholds the old traditions of England's supremacy at sea, and is an object lesson of the value of individual courage and character. Drake himself is a great part. We see the man as he was, a rough Devonshire seaman, with heroic qualities, with a simple faith, with a

keen, strong, daring, and indomitable spirit. He is the type of the Elizabethan adventurer, and of all that was fine and hardy in the character of the Elizabethan man of action. There is a good plot in the play which moves swiftly forward, and a very charming love story between Drake and Elizabeth Sydenham." The scenes include a Chamber at Hampton Court, 1571; the Dash across the Isthmus of Darien; the Quay at Plymouth; Drake's Garden at Plymouth, in 1577; On Board the "Golden Hind" in Port St. Julien; the Deck of the "Golden Hind" at Deptford; Plymouth Hoe; On Board the "Revenge"; and Old St. Paul's. Mr. Lyn Harding is Drake; Mr. Herbert Waring, John Doughty; Mr. A. E. George, Tom Moone; Miss Amy Brandon-Thomas, Elizabeth Sydenham; and Miss Phyllis Neilson-Terry, Queen Elizabeth,



THE QUEEN ELIZABETH OF "DRAKE," AT HIS MAJESTYS: MISS PHYLLIS NEILSON-TERRY M ORE interesting than Mere

dith's discovery of Titian, Giorgione, and Veronese in Venice—"I cannot rank Tintoret with them," he writes in one of the newly published letters to Mrs. Ross—is his one of the newly published letters to Mrs. Ross—is his discovery of Leighton in the Academy of 1861: "Leighton has a Paolo and Francesca painted just as the book is dropped and they are in no state to read more. You would scorn it; but our friendship never rested on common sentiments in art. I greatly admire it. I think it is the sole English picture exhibiting passion that I have seen. I have the delight to stand alone in my judgment of this, as of most things, and I shall see the world coming round to my opinion and thinking it its own. Does not that smack of the original George M?"

The world came round to Leighton long before it came round to Meredith.

round to Meredith, or his opinions. Leighton's Presidency and Barony do not smack at all of G. M. And when they came, what of the prophet? Was he a Leighton man he a Leighton man to the end; or did he, forging ahead of the community somewhere in the 'eighties, have the delight to stand alone, until the world came round again, in the depreciation of a painter then most popular?

But Meredith did not stand alone in 1861. Even in 1855 Leighton had been watched. Ford Ma-Brown's diary for May 22 of that year reads: "Leighton's picture a mere daub as to execu-tion, but finely white associated with his writings. The Charles Keene tradition clings to him—the Charles Keene tradition at its worst; and Tennicl's drawing for his "Song of Courtesy" achieves the summit of Victorian dowdiness. But let us say boldly

MUCH AS HE APPEARS IN "DEARER." AT HE MAJESTY'S: MR. LYN HARDING—AS SIR WALTER RALEIGH.

Mr. Lyn Harding is appearing as Drake in the pageant-play of that name at His Majesty's.

that the poem is no better. Du Maurier's style "dates" too fixedly to make a fitting accompaniment for prose that is always fresh. Sandys and Mr. Laurence Housman do something to retrieve the Meredithian Callery, but when one Gallery: but, when one remembers that Rossetti and Whistler were both drawing for the wood-engravers at the period when

LIFTLE MISS

THE MISS LLEWELYN OF MISS LLEWELYN," AT THE VAU VILLE: MISS HILDA TREVELYAN. LLEWELYN OF

OF the triumph of the first venture in management made by Miss Hilda Trevelyan and Mr. Edmund Gwenn there can be no possibility of doubt: "Little Miss Llewelyn"—a version of Frantz Fonson's and Fernand Wicheler's "Le Mariage de Mlle. Beulemans"—is a comedy which not only secured for its leading interpreters a first-night welcome of the most enthusiastic applause, but which, from the humanity of its story and from the wit and humour of its dialogue, seems bound to develop into a lasting success. All which should be very gratifying to lovers of good art, for Mr. Gwenn, as a character-actor of remarkable range who can also strike a sincere emotional note, and Miss Trevelyan, as the ideal a sincere emotional note, and Miss Trevelyan, as the ideal interpreter of the unassertive, seemingly negligible, but

rarely efficient little woman, are players whose unique talents have long entitled them to assume parts of more importance and of wider range than have hitherto fallen to their lot. The play in which these two artists make their managerial début gives them ample opportunity for the display of their quality. The story of Mlle. Beulemans' engagement to Scraphin Meulemeester and eventual marriage to her father's Parisian clerk, of her en-deavours to com-pose the unending squabbles between her parents, and of the success of her efforts towards Seraphin making regularise his union



TO APPEAR AT THE LONDON COLISEUM ON SEPTEMBER 16: MME. SARAH BERN-HARDT-AS QUEEN ELIZABETH.

with his petite amie, has indeed with his petite amie, has indeed been Englished with such unerring tact and taste that "Little Miss Llewelyn" has all the appearance of being just such another study of provincial manners as "Rutherford and Son," "Hindle Wakes," or "Bunty Pulls the Strings." The scene of the managing little daughter's manifold activities has now been transferred to a little town in Wales, and the dandy fruit in the form of a two-year-old baby, are all preserved as in the original Belgian play. Miss Hilda Trevelyan, as the heroine of this Welsh comedy, plays delightfully a sort of wheedling

town in Wales, and the dandy Parisian has become a Londoner gifted with something less than Mr. A. E. Matthews's air of insou-ciant superiority; but the quarrels between the heroine's father and mother, the rivalries indulged in by the respective parents of the engaged young couple, and the liaison above mentioned, with its

counterpart of her many managing and mothering rôles; and Mr. Edmund Gwenn racily interprets the explosive humours and engaging vanities of the heroine's warm-hearted and hot-tempered father.

"REBECCA OF SUNNYBROOK FARM." AT THE GLOBE THEATRE: UNCLE JERRY TAKES THE YOUNG FOLK FOR A HOLIDAY

"Rebecca of Sunnybrook Farm" is an adaptation of Mes. Kate Douglas Wiggin's novel of the same name. The place is the State of Maine; the time, about 1889. Mass Edith Taliaferro is the Rebecca Rowena Randall.

"I quite agree with you in loathing Once a Week, illustrations and all" was the view Rossetti posted to Allingham at a time when Millais was illustrating Meredith's occasional verses in that publication. Leighton illustrated nothing of Meredith's, and, even had he done so, he alone could not have saved the author

APPEARING AT THE GLOBE THE VIRI.
WINS FDITH TALIAFERNO AS REBECCA
IN "REBECCA OF SUNNYBROOK FARM."

conceived and composed, and the

chiaroscuro good; very difficult to judge how he will go on. So much discrepancy 'twixt execution and conception I have not yet seen—it is strange." Others were

not exercised as to his execution and by 1861 he was widely admired. Everybody, in those days, went to the Academy, and Rossetti having paid his visit, wrote to Allingham: "The Academy is rather seedy, only has a refresh-

ing look through being more fairly hung than usual. Leighton might,

as you say, have made a burst had not his pictures been very ill-placed." Now, in 1861 Meredith and

Rossetti were friends, and it is possi ble that Meredith, while "standing alone" in his admiration, was not unconscious of Rossetti's support.

they were most intimate with the busing serious novelist, it must be admitted his ill-luck was great. To turn the portfolio of illustrations issued with the Memorial Edition is to agree with the Memorial to the full.

# AN ADVOCATE OF IMPERIAL CO-OPERATION: THE CANADIAN PREMIER.

PHOTOGRAPH BY F. A. SWAINE, 106, NEW BOND STREET, W.



"THE SECURITY OF THE SEAS IS AS ESSENTIAL TO THE SAFETY OF THE EMPIRE AS THE DREATH OF LIFE IS TO THE INDIVIDUAL": THE RIGHT HON. ROBERT LAIRD BORDEN, K.C.

Mr. Borden, before leaving England for Canada the other day, issued a farewell statement in which he said: "... Matters of considerable moment have been under consideration. The opportunities afforded to the Canadian Ministers of being present at meetings of the Imperial Defence Committee have been fruitful in valuable information. ... Amongst the most important objects of our visit was the desire to obtain information respecting the conditions of naval defence affecting the Empire. ... Especially have we been impressed by the keen interest of the British people in the progress, development, and influence of the Oversess Dominions . .." When he received the Freedom of the City of Glasgow, Mr. Borden, after having referred to himself as "the great-grandson of a certain Robin

Laird, who ran away from Scotland about 150 years ago," said that the Canadians were not afraid of their responsibilities as one of the great nations within the great Empire; that he was glad to know that the idea of co-operation between the Mother-Island and the great Dominions over Seas had impressed itself very strongly upon the people of the British Isles; and that they of the Overseas Dominions were convinced that the way across the seas must be kept-secure, that by no other means could the Empire be held together. "The security of the Seas," he said, "is as essential to the safety of the Empire as the breath of life is to the individual," Mr. Borden, who became Premier of Canada last year, was born at Grand Pré in 1854, was called to the Bar in 1878, and took silk in 1891.

LI EKALUKE



which the author, Mr. Arthur Hayden, deals with old English furniture of an interesting and compara-tively humble type. It is not written for the collector who demands the work of Chippendale or Sheraton, or who demands the work of Chippendale or Sheraton, or other great masters—and often gets imitations of it—but for those of less ambitious mind who can glory in a good gate-table or be proud of a bible-box, perhaps calling it a "dower-chest," or even find joy in a "Windsor" chair—Jefferson is alleged to have sat in one in 1776, when the Declaration of Independence was signed. There is also a chapter upon Old English Chintzes,

dealing

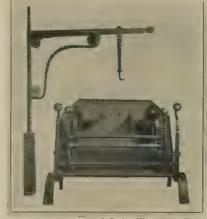
with the printed cottons which, after a period of unmerited disdain, have, dur-ing late years, been recognised as often possess ing great charm. It is a little strange that such a work has not ap-peared sooner, since, for a long time past, farm

Mr. Hugh

their birth the genuine specimens of English country carpentry ere the dealers have swept the provinces bare.

In the Scriptorium

Lady Burghclere is quite well aware that she ran the The First Duke of Ormonde. well aware that she ran the risk of being charged with supererogation and audacity when she set out to write a new "Life of James, First Duke of Ormonde" (Murray). Dr. Johnson desired an abridgement of the standard authority, Carte's "Life of Ormonde," such condensation to be of Ormonde. confined to the limits of two duodecimo volumes.



Ey Courtesy of Messrs. Phillips, Hitchin.

AN IMPLEMENT ASSOCIATED WITH LEARNING TO WRITE:

A QUEEN ANNE POT-HANGER.

"The pot-book is of great antiquity, and belongs to days when man first learned to cook his food. . . . "Pot-hooks and hangers" is an English phrase denoting the beginning of things academic."

#### " CHATS ON COTTAGE AND FARMHOUSE FURNITURE."

BY ARTHUR HAYDEN.

Illustrations Reproduced by Courtesy of the Publisher, Mr. T. Fisher Unwin.

Lady Burghelere has found that limit impossible to observe; for she has gone about her task in the true spirit of the modern histo-Documentary evidence, minute sifting of

a uthoriand finally, a plain, clear text, declare a method that lifts this book into the

MR. GORDON INGLIS Whose new book, "Sport and Pastime in Australia," with a Preface by Sir George Reid, has been published by Messrs, Methuen. position of

a serious contribution to history. The work has something of timeliness at a moment when the question of Irish government is so much bethe question of Irish government is so much before the public; but Lady Burghclere has not written in any journalistic spirit this biography of the man whom Charles II. called "the fittest person to govern Ireland." James Butler, twelfth Earl and first Duke of Ormonde, was born in 1610 at Clerkenwell. He was the son of Viscount Thurles, and grandson of the eleventh Earl of Ormonde. After a strange infancy, and a desultory education under the care, or neglect, of Abbot. Archbishon of Canterbury, he became, for a short Abbot, Archbishop of Canterbury, he became, for a short time,

1 4

young man about town whosought to employ his activi ties under Buckingham on the expedi-tion to La Rochelle Foiled in this hope, retired to Ireland, and there, in 1633, found employment ford. His loyalty to that luckless genius is one of the brightest points of Ormonde's



BEQUEATHED BY GOLDSWITH TO THE FOUNDER

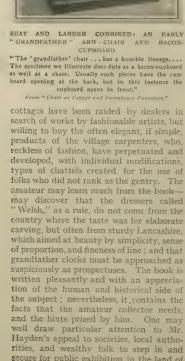
OF THE HUMANE SOCIETY: A CHAIR WITH
TRANSVERSE RALLS.
"An historic example of the chair with transverse rails is that which was once in the possession of Oliver Goldsmith. . . . It was bequeathed by the poet to Dr. Hawse . . . . founder of the Royal Humane Society . . . .
It is preserved at the Beibnal Green Museum."
From "Chair on College on College and Employer Employer."

character. He could not rescue his chief, but he used masterly tactics to secure legal delays in the hope of saving for England what Richelieu called her wisest head. The story of Ormonde's Irish administration and of his strugg'es with Cromwell is recounted without any attempt to enforce their intrinsically draw attempt to enforce their intrinsically draw at Cromwell is recounted without any attempt to enforce their intrinsically dramatic quality, but the plain documentary evidence is sometimes exciting enough. For the atrocities both sides had sufficient blame, but Ormonde was no party to these enormities; for he held it "base and unchristian" to make war on women and children. Lady Burghelere, though a strict historian, cannot always hide her humour, which looks out pleasantly in her account of Ormonde's scapegrace son John. Ormonde's fortunes during the Commonwealth, and his services to the later Stewarts, occupy the greater part of these Stewarts, occupy the greater part of these two volumes, which afford an excellent, just, and temperate portrait of a man who was a pattern of loyalty. His work did not endure, but he gave Ireland a few years of good government.



UNIQUE PIECE: A DRESSER AND "GRANDFATHER" CLOCK COMBINED, OF THE QUEEN ANNE PERIOD,
In the Collection of Mr. D. A. Beran,

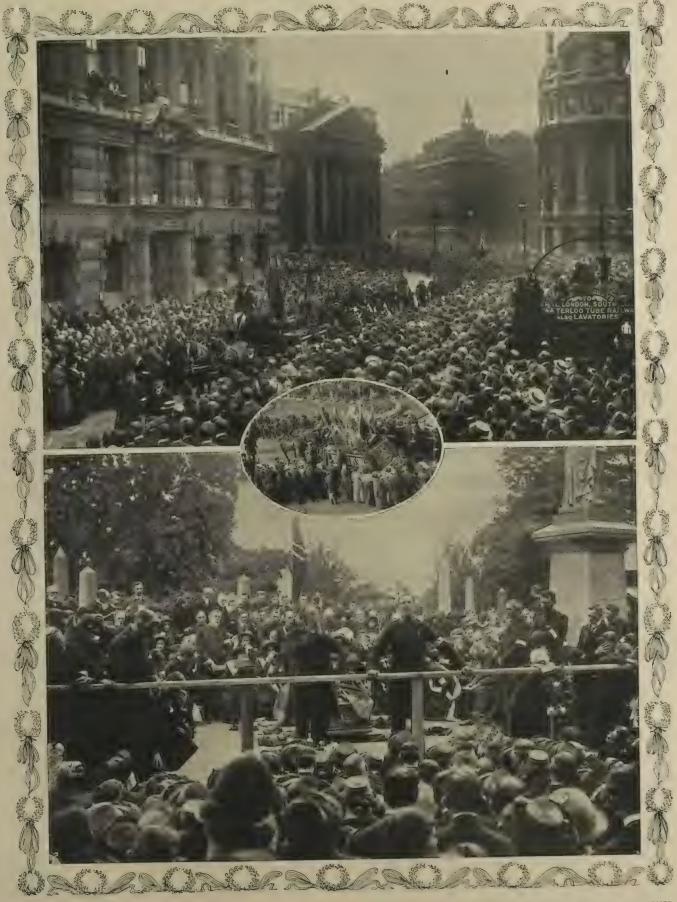
"In the centre of the dresser is a clock of the familiar grandfather form in miniature. This clock is not an addition to the dresser, but is a portion of the dresser and was made with it. . . . No later hand has tampered with this fine example, and it stands as . . unique in its form."



secure for public exhibition in the land of

# "SOLDIER, REST, THY WARFARE O'ER!" THE "GENERAL'S" FUNERAL.

PHOTOGRAPHS BY NEWSPAPER ILLUSTRATIONS; AND ILLUSTRATIONS BUREAU.



 JUST AFTER RECEIVING THE SALUTE OF THE ACTING LORD MAYOR OF LONDON: THE CORTÈGE PASSING THE ROYAL EXCHANGE— WITH THE NEW "GENERAL" WALKING BEHIND.

Impressive in its simplicity, silence, and perfect order—a masterpiece of the Salvation Army's powers of organisation—the funeral procession of the late "General" Booth through the City on August 29 was one of the most moving ceremonies which even London has seen, Huge throngs lined the route, from Blackfriars Bridge to Abney Park Cemetery, five miles away, to pay a last tribute of respect to the great spiritual soldier who had "laid down his sword." The absence of gloomy signs of mourning was a marked feature of the proceedings. The bier was draped in crimson, and at each corner of the funeral

SPEAKING AMID SIGNS OF PROFOUND GRIEF: A COMMISSIONER ADDRESSING THE THRONG AT THE GRAVE AS REPRESENTATIVE OF THE SALVATION ARMY ABROAD.

car was the familiar "b'ood and fire" banner, while between the banners were bleached palms. The procession contained fifty-one brigades of the "Army," and the funeral est joined it after the forty-strenth brigade had passed the headquarters in Queen Victoria Street. Behind the car walked "General" Bramwell Booth and other members of the family. As they passed the Mansion House the cortège was saluted by the Acting Lord Mayor. Sit John Knill. Inset in the upper illustration is a photograph of the actual coffin, with the palms and flags which surrounded it.

# MIXED TRAVELLING: THE DIFFICULTIES OF AN AMERICAN "SLEEPER."

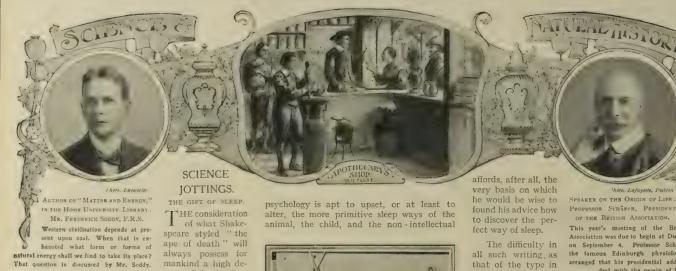
DRAWN BY OUR SPECIAL ARTIST, CYRUS CUNEO, R.O.L.



# AT THE HOUR OF MUCH EMBARRASSMENT: GETTING-UP TIME DURING A LENGTHY RAILWAY JOURNEY IN THE UNITED STATES.

Taking it all in all, it cannot be gainsaid that the American sleeping-car is very well and most ingeniously managed; but, equally, it cannot be denied that it is responsible for a good many moments of embarrassment: this chiefly by reason of the comparatively cramped space available. It is possible, of course, for the ladies in the car to go to their own "washing-room" and dress there, just as it is possible for the men to go to theirs; but it is a fact that as, with the perversity of human nature, everyone insists on getting up at the same time, only a small proportion of the passengers can use the special rooms unless they are willing to wait a very considerable number of minutes to take their turns.

Hence many attempts to dress while in the berth behind the curtain; feats which call for contortions and cannot be described as comfort-giving. In the ordinary "sleeper," the lower beds are made on the seats which are in use in the daytime; while the upper berths are lowered from the sides of the car, against which they pack flat when not in use. Bed-clothes, mattresses, and curtains are, of course, stowed out of sight during the day, all in the closed upper berths. The bed-making hour is not welcomed, for passengers must remove themselves and their belongings while the work is being done. Our artist illustrates the most awkward period of all—the hour of getting up.



gree of fascination. Commonplace in one phase, sleep is a mystical thing in another. Dividing our realm of being, playing its essential part in restoring the wearied rhythm of Nature, our unconscious period really poses before us as an intimate part and parcel of the vitality we own. No less important are the dividing the part and parcel of the vitality we own. less important are the disturbances of sleep as subjects for scientific study, if only by reason of the influence they may and do exert on the life of those who suffer from want of due repose.

To the scientist, the cause of sleep is a matter of paramount interest, for even to-day there is by no means complete agreement in the ranks of the learned with regard to the actual bodily mechanism through the operation of which sleep is induced. Scarcely a person will be found who does not illustrate some special peculiarity or other in the matter of his repose, so that the individual sleeper possesses a character which in many cases is peculiar and special to him-self. Thus it is that we hear of those who can exist healthily on sleep of short duration, while others demand their full complement of repose, and others, again, can sleep at any time, and some poor unfortunates

BROKEN, BUT WITHOUT LOOSE, AND SO DANGEROUS. SPLINTERS: "TRIPLEX" GLASS SHATTERED BY A HEAVY METAL BALL.

It is clear that the gravity of many accidents due to the breaking

It is clear that the gravity of many accidents due to the breaking of glass would be much diminished if the pieces of glass could be prevented from separating. Under ordinary circumstances, some fragments remain in their frame, and their sharp points and edges give rise to dangerous wounds. To obviate this, a glass has been contrived called "Triplex." This is manufactured as follows: Two glass plates age taken and one face it coated with plates are taken, and one face is coated with a light layer of gelatine; next, the two gelatined plates are put against each other, and a very thin layer of celluloid is placed between; the whole is then put under the hydraulic press in order to obtain thorough welding. The mass of glass which emerges from the press is as transparent as ordinary of

> person. To get rest and peace, Mr. Hall thinks and argues, is the great aim and end of all that he includes in what I may call his scheme of sleep-culture.

If there is much in the book too idealistic for the wholesale acceptance of the every-day, worker, at the least our author very

properly brings well to the front the magnificent virtue there lies in well-ordered sleep. The pity of it all is that the due ordering of our repose is

all such writing, as that of the type in Mr. Hall's book is

OF THE BRITISH ASSOCIATION This year's meeting of the Briti-b
Association was due to begin at Dundee
on September 4. Professor Schäfer,
the famous Edinburgh physiologist,
arranged that his presidential address should
deal with the origin of life.

OF LIFE

that, with the best of intents, the advice given about that, with the best of intents, the advice given about sleep-culture is just the hardest to follow. It is easy to preach patience, to inculcate repose, to elevate the waiting spirit, and so, theoretically, to woo "Nature's sweet restorer," but there is not one amongst us who does not appreciate the difficulty of the initial problem how to secure the advent of our physiological uncon-sciousness. The weakness of Mr. Hall's arguments is seen when he generalises, for he thins out his contentions and advice into a diffuse state that ends in his cry for "peace," which is just the special gift and boon that the weary brain cannot obtain. What would probably the weary brain cannot obtain. What would probably have made the book more interesting to the general reader would have been a fuller account of sleep-theories, and a more up-to-date knowledge of the physiology of sleep, as taught in the medical schools of to-day. Many of Mr. Hall's authorities are decidedly ancient in a sense, and he attributes in at least one case to a Harvard authority a sleep theory of the "neuron," or nerve-cell, that rightfully dates from the researches of Ramon y Cajal himself. Apart from the defect already noticed—that in seeking to elucidate a scientific subject from the idealistic standpoint, our author seems



AFTER FOURTEEN STONES HAD STRUCK IT: A PANE OF "TRIPLEX" GLASS BROKEN, BUT "WHOLE."

to regard scientific fact as the least important phase of the matter—Mr. Hall's book will form a pleasant companion for a quiet holiday hour or two. He is

evidently a man of a high moral purpose and in-

tent, anxious to promote in others the idea that the

sleep-habit pro-perly cultivated must

lead to his ideal "peace," and, therefore, to the

general betterment

of man. He has, of course, high

authority for main-

taining the import-ance of his topic.

But Science is his best friend in

determining the

great virtue of repose, and in de-

monstrating its

necessity as the second side of the

life we know; and

have a difficulty in sleeping at all. Among the holiday literature which has come in my way, a book by Bolton Hall, an American writer, entitled "The Gift of Sleep" (T. Fisher Unwin), has in-

TWO SHEETS OF GLASS WITH A SHEET OF CELLULOID BETWEEN THEM:

TRIPLEX" STRUCK BY A HAMMER.

terested me not only because it deals with a topic which I have said is always fascinat-ing, but by reason also of the somewhat quaint treat-ment it receives at the author's hands The book is. many places, didactic and idealistic in others, Mr. Hall descends to the scientific phases of the subject, without reference to which, indeed, no volume on Sleep could be regarded as fulfilling a mission of in-struction at all. Part of the argument of

the work is that the



THE SCIENTIFIC REARING OF PERIWINKLES: THE CROISIC PARK FOR THE BREEDING OF THE MOLLUSC.



IN A PARK DEVOTED TO THE PERIWINKLE: THE GATHERING OF THE MOLLUSCS.

At Croisic, for example, six acres devoted to the breeding of pertwinkles supply nearly fifty tons of the molluscs a year. Hollow bricks are provided for the shell-fish, which thrive excellently with these as their home; while others are kept on wooden stakes. Seaweed is their food.

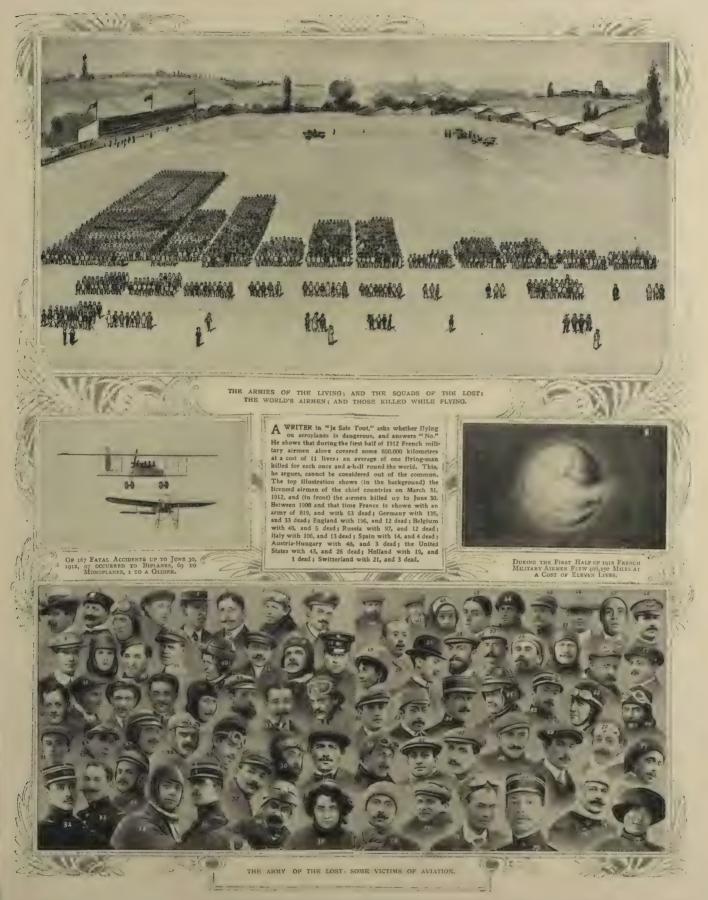
sleep habit is modified powerfully by the degree of culture and education of the individual, which is perfectly true, no doubt, because the active and trained

precisely the difficult part of human duty in reiation to our hours of rest. Science—for which Mr. Hall, by the way, has no very great sympathyes. Se, weed is their food.

Se, weed is their food.

sacred and secular, can be summed up concisely and truly in the old familiar phrase, "He giveth his beloved sleep."

# FLYING NOT DANGEROUS! ARMIES OF LIVING; SQUADS OF LOST.



From September 17, 1908, when Lieutenant Selfridge, the American sirman, lost his life, until this August, which saw the deaths of Mr. Lindsay Campbell, the Australian, Mr. Fenwick, the Englishman, Lieutenant Manzini (the only sirman killed in action, who fell into the sea at Tripoli and was drowned), and the French Lieutenant Chandenier, no fewer than 175 people have fallen vietims to flying. The last illustration on this page shows some of them. 1, Capt, Matsiéwitch (Rus.), 2, Lt. Mente (Ger.), 3 Ely (Am.), 4, Levasseur (Bel.), 5, Sainte-Croix Johnstone (Am.), 6, Lt. Bærner (Fr.), 7, Hoxey (Am.), 8, Paillole (Fr.), 9, Rodgere (Am.), 10, Van Maodsyck (Holl), 11, Fred Wagner (Ger.), 12, Parmelee (Am.), 13, Lt. Cammell (Eng.), 14, Jules Noël (Fr.), 15, Lemmling (Ger.), 16, Lt. Neumann (Ger.), 17, Lt. Selfridge (Am.), 18, Rolls (Engl.), 19, Civio Cirra (Ital.), 20, Lt. Saglieti (Ital.), 21, Delagrange (Fr.), 22, Leblon (Fr.), 23, Vallon (Fr.), 24, Lefebvre (Fr.), 15, Cromwell Dixon (Am.), 26, Chavez (Peruvian), 27, Ed. Nicuport (Fr.), 28, Comte —e

Robillard (Fr.), 29. Verrept (Bel.), 30. Desparmet (Fr.), 31. Lecomte (Fr.), 32. Le. Peignant (Fr.), 33. Capt. Jost (Fr.), 34. Picollo (Ital.), 35. Hauvette-Michelin (Fr.), 36. Lt. Boncoue (Fr.), 37. Capt. Dubois (Fr.), 38. Capt. Ferber (Fr.), 39. Mile, Suzanne Bernard (Fr.), 40. Lafont (Fr.), 41. de Pola (Spain), 42. Cef (It.), 43. Poillot (Fr.), 44. Vivaldi Pasqua (It.), 45. Lt. Etienne (Fr.), 46. Grahame Gilmour (Engl.), 47. Blanchard (Fr.), 48. Frisbie (Engl.), 49. Mme. Denise Moore (Fr.), 50. Pielschker (Ger.), 51. Capt. Tarron (Fr.), 52. Lt. Bague (Fr.), 53. Lt. Princeteau (Fr.), 54. Wachter (Fr.), 55. Witte (Ger.), 56. Capt. Madiot (Fr.), 57. Robi (Ger.), 58. Grace (Engl.), 59. Lt. de Caumont (Fr.), 60. Lt. de Ville-d'Avray (Fr.), 61. Capt. Cambne (Fr.), 62. Lt. Lantheaume (Fr.), 63. Johnstone (Am.), 64. Capt. Echeman (Fr.), 65. Landron (Fr.), 66. Maro (Fr.), 67. Cammaras (It.), 68. Ruchonnet (Suise), 69. Marra (It.), 70. Kimmerling (Fr.), 71. Lt. Ducourveau (Fr.), 72. Dan-Kinet (Bel.), 73. Lemartin (Fr.), 24. Moisant (Am.), 75. Lt. de Grailly (Fr.), 76. Lt. Byasson (Fr.), 77. Miss Quimby (Arg.),

### WATER AND LAND: NORWICH FLOODED AND NORMAL.

DIAGRAM OF THE RAINFALL BY MR. J. H. WILLIS, F.R.MET.Soc.; SIX PHOTOGRAPHS BY VANDYCK; ONE BY NEWS. ILLUS.



DURING THE FLOODS: WESTWICK STREET.



AFTER THE FLOODS: WESTWICK STREET.



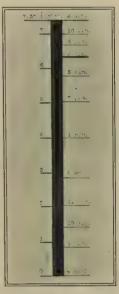
THE 1912 RECORD MARKED IN BLACK: FLOOD LEVELS REGISTERED AT NORWICH—FROM 1614.



DURING THE FLOODS: MAGDALEN STREET-WITH THE WATER INCHES DEEP.



AFTER THE FLOODS: MAGDALEN STREET—WHEN THE WATER HAD SUBSIDED.



7'32 Inches from 4 A.M. TO 4 A.M. : THE REMARKABLE RAINFALL AT NORWICH ON AUGUST 26-27.



DURING THE FLOODS: A NORWICH STREET.



AFTER THE FLOODS: A NORWICH STREET.

The state of affairs in Norwich during the great floods of August was not helped by the facts that the city was unapproachable for a while by train, and that telegraph, telephone, and electric-light failed. It was not very long before the flood subsided, but by that time an

enormous amount of damage had been done, and a number of people, estimated at between eight and ten thousand, were homeless. At the end of last week the relief fund had reached a total of some £5000; to this the King and Queen subscribed £100 and £50 respectively.

# NORWICH THE ISLAND: DURING AND AFTER THE FLOODS.

FIVE PHOTOGRAPHS BY VANDYCK; ONE BY NEWS. ILLUS.



DURING THE FLOODS: PULL'S FERRY AND THE FERRYMAN'S COTTAGE.



AFTER THE FLOODS: PULL'S FERRY AND THE FERRYMAN'S COTTAGE.



DURING THE FLOODS: TROWSE CHURCH.



AFTER THE FLOODS: TROWSE CHURCH.



DURING THE FLOODS: A POLICE-BOAT IN A NORWICH STREET.

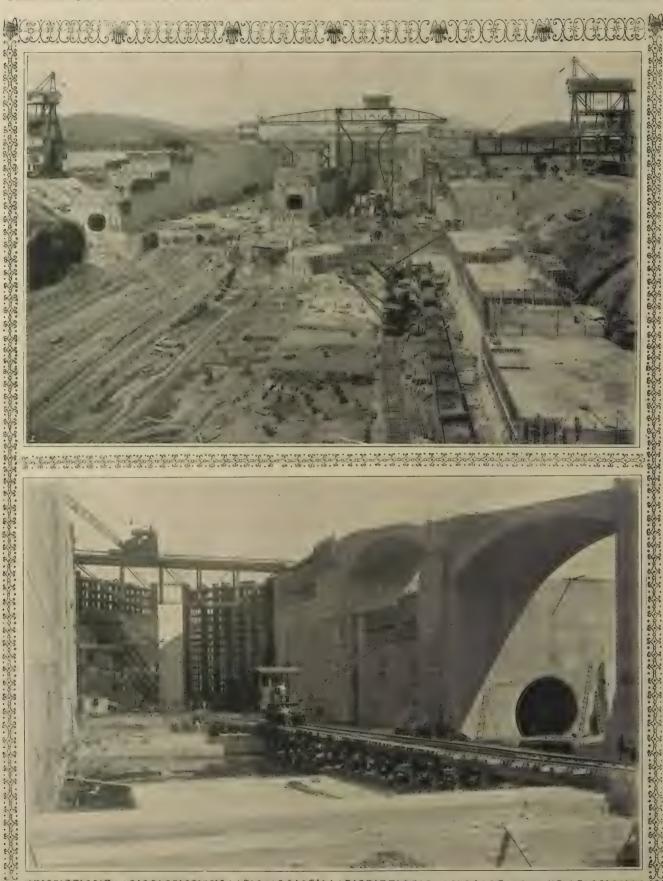


AFTER THE FLOODS: THE SAME NORWICH STREET IN NORMAL CONDITION.

It seems a little late nowadays to discuss in any great detail the remarkable flooding of Norwich. which, owing to a rainfall of almost unprecedented heaviness, became for a while an island in the strictest sense of the term, in that it was a piece of land entirely surrounded by water, | When the water was at its deepest in the streets many remarkable scenes were witnessed.

and, moreover, was a particularly damp island at that. But it is good to note contrasts-places in the city during the disaster, and those same places immediately after the waters had subsided.

#### THE ANGLO-AMERICAN DISPUTE: THE PANAMA CANAL IN THE MAKING.





A BIRD'S - EYE VIEW FROM THE LOWER LOCKS, SHOWING THE CONSTRUCTION OF LIFT SILLS AND EAST WALL IN THE FOREGROUND: THE MIRAFLORES UPPER LOCKS.

The attitude of the United States with regard to the Panama Canal has brought forth many protests against America's decision to give preferential terms to certain of its shipping. The chief of these comes from Great Britain, whose Government regards the action of President Taft and his advisers as a direct violation of the Hay-Pauncefote Treaty. This has been backed up not only by influential newspapers in Germany, France, Austria, and elsewhere, but by certain of those of the United States itself. That well-known and old-established

2. SHOWING THE OUTLET IN THE EAST WALL AND THE CONSTRUCTION OF THE LOWER MAIN GATES: THE EAST CHAMBER OF THE PEDRO MIGUEL LOCKS, LOOKING NORTH.

journal, the "Argonaut," of San Francisco, is particularly outspoken. In the course of a lengthy stricle it says: "It will be seen that the Hay-Pauncefore Treaty is a full and franty admission of the new American rights over the canal, rights that did not previously exist and that were explicitly denied by the earlier agreement. In return for this admission Great British received the guarantees of 'entire equality,' and if we are now to assert that these guarantees have no practical value we are in the position of receiving something [Continued opposite.]

#### "GOODS" DELIVERED; BUT NOT TO BE PAID FOR? THE PANAMA CANAL.





1. LOOKING NORTH, FROM THE MIDDLE LOCKS: THE GATUN LOWER LOCKS.

2. SHOWING THE EAST CHAMBER FOREBAY AND CONSTRUCTION OF THE APPROACH WALL: THE UPPER GUARD GATES OF THE PEDRO MIGUEL LOCKS, LOOKING NORTH.

Continued.]
for nothing and of benefiting from one side of a bargain while refusing to fulfil the other.
In fact, we are offering a price and then snatching it back as soon as the goods have been delivered. That the canal has now become American soil has no bearing upon the case unless upon the contention that one iniquity justifies another. . . . The dispute is a peculiarly unfortunate one at the present time. Not only does it come as a sequel to our disreputable seizure of the Paasma Isthmus, but it coincides with a domestic political situation by no

means free from charges of bad faith and of trickery. This is not a question of seeming self-interest in the matter of American ships. It is a question of international rectitude, of the plain meaning of a formal obligation, of the binding force of a treaty with a triendly nation." It is anticipated that the canal will be in a condition to pass shipping by September of next year, so that the fullest test can be made before the formal opening, in 1914. It is to be hoped that long before that the United States will reconsider its unpopular decision.

#### LADIES' PAGE.

A CLUB has been founded in Paris to which only well-known gournets who have also toured not less than 40,000 miles by motor-car may be elected. They are pledged to inform one another of the good inns that they discover, those where a dinner fit to eat is to be had, even though the fare be modest in price and kind. The "Club Maxims" include one that "a hotel is not to be recommended where luxurious appointments are combined with an indifferent cuisine: We cat beefsteaks and not Louis the Fifteenth furniture." They patriotically declare: "There is no good cooking but the good old style of French cooking," and then comes the wise observation, "The good old French cooking can only be done with freshingredients—fresh eggs, fresh butter, fresh milk, fresh vegetables." There are in England both well-to-do private kitchens and quite pretentious hotels at which "cooking butter," "cooking eggs," tinned vegetables, and cold meats rehashed and absurdly dignified with the name of entrées, are habitually used. This is never the way to produce a good and wholesome table. Sometimes, the "poverty, but not the will, consents," to such shifts; and indeed, for some purposes, such as frying, the best butter is only wasted; but it is far wiser and more satisfactory to have an altogether more simple scheme of dinners when expense is an object, in order to be able to use fresh and genuine articles of diet, than to medicated foods.

One of the signs and tokens of the far greater artistry

One of the signs and tokens of the far greater artistry of the French about the table is the excellence of the dinners to be had in quite unpretentious country hotels in their happy land, as compared with the abominable meals so generally served in England in all but the most expensive restaurants, and too often even in high-priced ones likewise. In some overcrowded Riviera hotels in full season the dinners are often commonplace, the same sort of thing that is served everywhere to passing travellers—from London via Cairo to New York. The true French cutsine is to be fairly sampled in the hotels in the smaller towns more or less off the crowded routes. In Provence, especially, there are many hotels at which a good dinner is sure to be found ready because of a sensible French custom: many residents, instead of keeping a cook themselves, go to the hotels regularly to dinner, at subscription rates, perhaps of even less than three or four shillings per dinner; and so delicious, varied, and liberal often is the fable that it is almost worth while to stop in the town to partake of its meals. Of course, there is a pronounced flavour of garlic in the made dishes; while in England, though there may be a French or Italian chef at work, he has it impressed upon him that he must not put a scrap of garlic even into the plats that most demand its exhilarating zest. Garlic is used all over France, but not so liberally elsewhere as in Provence. However, the reputation of the Provencal cooks as the best to be



AN EARLY AUTUMN' TAILOR - MADE. The basqued coat has an easy cut, the very wide revers of white cloth, embroidered, giving a collar-like effect, with cuffs and tab pockets to match.

found in France dates back to the days of the Grand Monarque, the palmy days of French cookery.

In England, having excellent things to cook, we are too prejudiced and limited about our table. In a clever little cookery book for English use, by a French authoress, she constantly advises the employment of a slight suspicion of garlic, but she invariably adds, with all the emphasis of italies—"But don't tell anybody!" This sly hint is, believe me, a valuable one! The Englishman in Provence always eats his garlic-touched viands with gusto. I have never forgotten a guest of mine who by some unfortunate chance was led to remark before luncheon that she detested garlic, and never ate anything flavoured with it, when I had ordered a delicious soup, "Potage Périgord," which is composed of a clear meat stock wherein tomatoes and garlic and mace have been boiled till they have yielded up all their savour, and then been strained out, the product nicely thickened up with egg-yokes and baked flour, and then prettily coloured pink with a few drops of cochineal. My garlic-hating friend, having consumed the small portion that I sent her—very little, because I looked to see her leave it—actually begged pardon for her breach of etiquette, but might she have another help of that delicious soup? A tiny scrap of garlic in stews and soups, either boiled whole and removed, or chopped excessively finely and left in, will often bring a similar compliment—"but don't tell anyone," and use it very sparingly. Olive oil, as a frying medium, again, so much used in France, is abjured in England, yet it is often the best medium, and will not be objected to, because not detected, if quietly employed.

Other causes have helped the sewing-machine to produce underclothing so well made and cheap that to stitch at it for ourselves is needless, unless we fancy to do it for a recreation. The ease of communication in modern times allows the needlework to be done where labour is plentiful and the product to be dispatched to where it is needed for the convenience of purchasers. I have been led to reflect upon the great change made in the modern woman's position by this one cause by looking over an interesting new catalogue issued by Messrs. Robinson and Cleaver, a copy of which can be obtained gratis by post by any of my readers who write and ask for it, addressing to that well-known firm, 400, Donegall Place, Belfast. This catalogue is filled with illustrations of all kinds of underclothing for ladies, babies, or older children, and in Irish linen, in long-loth, in cambric, in nainsook, in flannel, delaine, and wincey; the designs are good and varied, and the prices are really so wonderfully inexpensive that it would be absurd to do the work at home. Some of the articles are made by the lockstitch sewing-machine, while others are all hand-sewn, the product of the clever fingers of the Ulster peasant women, to whom the material, ready cut-out, is distributed by Messrs. Robinson and Cleaver for making up. A useful feature is the list of trousseaux and of layette articles complete, and also outfits for India or the Colonies, at fixed prices for the various sets as selected.

FILOMENA.

#### RECOVERY OF FASHIONABLE SLIMNESS. THE SPLENDID ANTIPON TREATMENT.



AT all fashionable functions, such as the recent Ascot Meeting, beautiful women, beautifully attired, have graced the curroundings, the most admired being those who have cultivated the slim and graceful English figure which makes the present fashions perfectly delightful to contemplate. For there is an English figure, slender and willowy—the very perfection of supple-ness and grace—the envy of the women of other lands.

no reason to despair of thousands of women who have taken a short course of the splendid Antipon treatment have proved this to their entire satisfaction, and have never felt better in health in their lives. The majority of those who have written to thank the proprictors of Antipon have reduced their weight by from fifteen to thirty pounds, and have regained the youthful beauty of form for which they were admired.

Most of these ladies, in their great gratitude, are warm in the recommendation of Antipon to their stoutish friends, and the proprietors of Antipon, in their turn, are grateful for these good offices.

For example, a lady writing from Devizes says: "I have much pleasure in stating that the friend for whom I obtained Antipon is now quite reduced to her normal weight, and is so bright and well in health—in fact, quite a ditterent creature since taking Antipon. She can now take long walks without the slightest fatigue, and feels she cannot speak too highly of Antipon."

Another instance. A lady residing at Eccleshall, Staffs, writes: "Will you please send me a 4s. 6d, bottle by return of post? I want it for a friend of mine who has tried several remedies without the least benefit, so I am going to give her a bottle of Antipon, as she won't believe there is anything that will reduce her weight. Having had some myself years ago, and having had no return of over-stoutness since, I am quite sure that Antipon will do my friend a world of good, the same as it did for me."

The originals of the foregoing letters, together hundreds of others, are filed for reference at the offices of the Antipon Company.

of the Antipon Company.

Except in very pronounced obesity there is no need for a protracted course of the Antipon treatment. In some cases, where there is merely a slight overfulness about the waist and hips, one or two bottles of Antipon prove sufficient to effect the necessary correction of "line," as in the following instance: we quote from the letter received by the Antipon Company from a lady residing at Catford, Kent. She writes: "I am pleased to say that one bottle of Antipon has worked such wonders in my case that I shall



" Stepping Stones to Slender Beauty."

not require any more. I have been waiting to see if it was really a permanent cure, and am glad to say it is."

One of the most provoking features in over-fatness is the double chin; another the bagginess about the cheeks, especially under the eyes. Antipon is excellent for correcting these faults, and this it does with great benefit to the skin, upon which it acts tonically from within, bracing up the cuticle, preventing wrinkles, and greatly improving the complexion. Those misguided persons who try to cure such defects by a starvation treatment are liable to be puckered and wrinkled about the face. Antipon prevents any sort of flaccidity, however much disfiguring excess fat is taken away. To undergo a course of Antipon is to look and feel quite young again.

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of course, depends on the degree of obesity. With the recovery of normal weight and slender shapeliness the doses may cease, Antipon having overcome the tendency to put on flesh to excess.

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#### MUSIC.

In this quiet season when the flame of musical interest burns brightly only at the Queen's Hall and in the remoter world of provincial Festivals, the strange case of Mr. Hammerstein is still a theme of discussion. For some time he was in the state of mind of that Mrs. Henry Hawkins immortalised by Mr. Chevalier—

'First he said he couldn't, then he said he wouldn't, Then he murmured, 'Well, I'll see,'"

Finally, with clear vision reinforced by the long Atlantic

distances, he has de-cided that he will see no more operati ventures to their doleful end in this doleful end in this benighted country. He is hardly to blame. When he gave us the opera-of our forefathers, e found them too old, and when he gave us the operas of to-day, we found them too new. stars shone but fit-fully, and the great heart of the public mourned to see so mourned to see so fine a building as the London Opera House standing out of the circuit of music-halls.

On the opening night of his unfor-tunate venture, when the Roman soldiers of ," Quo Vadis?" were advancing their standards with the S.P.Q.R. upon them, a wag whispered that the letters foretold a Small Profit and

a Small Profit and a distance by the owner telegraphin distance fit a Quick Return.

And the wag was right. But before the end came there was an attempt to gather support for opera on the authorities, and for a time it seemed as though the attempt would succeed. Private support was not lacking. However, the scheme was abandoned, and it is unnecessary now to refer to the details, as they are hardly likely to be revived.

The Promenade Concerts are attracting the usual The Promenade Concerts are attracting the usual measure of interest, and on one or two occasions it has been found impossible to maintain the rule that forbids repetitions. In honour of the memory of the late "General" Booth, Chopin's Funeral March was given on the night of Aug. 29, when a remarkable novelty found place in the programme. This was the Prelude and the Serenade from a pantomime ballet, "The Snowman," written four years ago by Erich Korngold, the young Austrian composer, when he was eleven years old! That the work should have taken a place in the concert of the evening,

significance and potentialities may perhaps be doubted; but the mere fact that they can be used without confusion, and even with confidence, by a lad of eleven is a thing that gives one "furiously to think." There is nothing remarkable about the thematic material in this case; it is the modern expression of the thought rather than the thought itself that impresses. While it would be possible to pass over the work as a very clever schoolman's effort if it came from the pen of a matured composer, it is impossible to consider it in this fashion under the circumstances. Clearly, if Erich Korngold be allowed to grow, significance and potentialities may perhaps be doubted:

be allowed to grow, and is not doomed to the forcing-house to the forcing-house of ambitious composition before he is old enough to enter it, he should have a great future. His existence, musically considered, is an enigma, one of the many that music provides, no other art being so prolific in this regard. Where music is concerned the dreams of our philosophy are comparatively tame affairs.

The attendance at the Promenade Concerts has been very large, and the weather would seem to have had a stimulating effect upon the Queen's Hall Orchestra and its conductor, many its conductor, many of the most famous works in the ré-

pertoire having been given with a care and attention to be minute.

and attention to detail and a general brilliance of effect that have seldom been equalled and never perhaps excelled. With a few exceptions the soloists have been rather above the average, and those music -lovers who preferred to postpone their holiday rather than face the last weeks of August away from home have found no small measure of compensation in the company of Sir Henry Wood and his talented colleagues.



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without a suggestion of incongruity, is sufficient tribute when we recall the programme. The exquisite Dream Music from "Hansel and Gretel" was there; Stanford's 'Irish Rhapsody." Dr. Walford Davies's "Solemn Melody" (which was encored), and Saint-Saëns's "Suite Algérienne" were among the other important items. "The Snowman" music uses all manner of modern ideas and methods, whether with full appreciation of their

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Tintoretto" (Black) is "to show that there existed from the thirteenth century an attempt to study Nature for her own sake." One had thought it required little proof. Ever since artists have eaten salads and chicken, and perhaps before the days of chicken, they have been attentive to Nature, which is taken by Miss Salter "to include flowers and beasts." Wherever she had pitched her dates she could have made

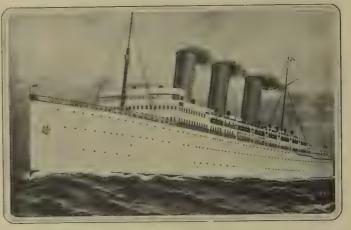
fruits, nuts, fir-cones, acorns, seed-pods, and the like" are her commoner stock-in-trade; Tintoretto's palm-trees, resplendent in moonlight, Bazzi's acacia bursting into leaf, Mantegna's favourite hill, and Piero della Francesca's little fleet of clouds, are all in her collection. She notes when trees first cast shadows in Italian pigment; and doubtless she knows when it first rained upon an Umbrian panel. Particularly good are her words of Tintoretto, whose "wild energy of dreams" did not necessarily lead him from Nature. "Bassano" (she quotes Mr. Berenson, "though probably many will not agree with him") "was the first modern land-scape-painter. Without intending it he was the first Italian who tried to paint the country as it really is, and not arranged to look like scenery." All such assertions grow doubtful in the light of research so vigilant as Miss Salter's. Her book, which is delightfully illustrated, stops long short of the painter who "set the sun in the heavens." And yet there is no little sun in its pages, and enough Ruskin to remind us that the subject is his own for ever.



PART OF A PERMANENT MEMORIAL TO THE PIONEER OF BRITISH STEAM NAVIGATION. H.M.S.Y. "VIVID," TO BE USED AS A TRAINING-SHIP FOR THE MERCANTILE MARINE, IN MEMORY OF HENRY BELL.

IN MEMORY OF HENRY BELL. memorial is to take the form of a training-ship for students of the Royal Technical College, Glasgow, to learn the practical work of navigation and engineering with a view to becoming officers in the Merchant Service. The other part of the Memorial will consist of the endowment of engineering research scholarships at the College. There has long been an urgent need in Scotland for a training-ship for the mercantile marine, for hitherto young officers have had to pick up their practical knowledge of navigation in a rough-and-ready way during their apprenticeship at sea. The committee have obtained the option of purchasing H M.S.Y. Vivid, lately stationed at Devonport as the yacht of the Commander-in-Chief. This vessel, of which an illustration is here given, could readily be adapted for the purposes of a training-ship. It was built by Messrs, Barclay Curle and Co, for the late Lord Inverclyde. To quote the appeal: "It is towards the maintenance of this vessel—the new Comet—and her successors, that subscriptions are

her points. The Bull of Nineveh would not, perhaps, pass muster with the strict naturalist; but a striking and genuine collection of authentic creatures could be made among the British Museum's ancient stones. But, given a period starting with the thirteenth century, the harvest and the bag the harvest and the bag are rich ones, and Miss Salter indulges a very Satter induiges a very charming hobby very charmingly. She seems quite at home with her Hermit Saints and their lions, among sudden, unthinkable little mountains; "flowers, birds,



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"NIGERIA and Its Tin Fields" (Edward Stanford), by "N IGERIA and Its Tin Fields" (Edward Stanford), by Mr. Albert F. Calvert, is a book which should be very useful to all interested in that rapidly developing Protect rate. The book consists of a survey of the exploration and history of Nigeria and its industries, separate chapters on the various mining companies, tabulated lists of licences to prospect and mining leases, the new Mining Regulations for Northern Nigeria, many maps and plans of tin-bearing properties, portraits, and a very large number of photographs, illustrative of the life and work of the people of Nigeria.

It is proposed to commence the late Mr. V. T.

illustrative of the life and work of the people of Nigeria.

It is proposed to commemorate the late Mr. W. T. Stead by establishing Lodging Homes for Women to be called the "Stead Hostels," managed, mutatis mutantis, on the lines of the Rowton Houses for Men. The lack of similar houses for women and girls was a fact which weighed upon him, and he held a conference at his home on the subject. The movement thus started has now developed into the National Association for Women's Lodging Homes. The new scheme has not yet got beyond the proposal stage, but a meeting is to be held this autumn to appoint a committee with a view to issuing a public appeal for funds. This memorial fund will be international in character.

Volume III, of the "Autocar Road Book" (Methuen)

This memorial fund will be international in character. Volume III. of the "Autocar Road Book" (Methuen), by Mr. Charles G. Harper, covers East Anglia, Essex, and the eastern part of the Midlands, and is arranged on the same plan as the other volumes. The various routes described number in all 131, and the information is given in parallel vertical columns containing names of places, distances from each end of the journey, indications of gradients, and details about places of local interest. The latter particulars are given, no doubt to save space, mostly in abbreviated style shaky in articles and verbs. Perhaps Uppingham will not enjoy being called a grammar school.

"Make Your Home on the Brighton Railway" is the title of a booklet recently issued by the London, Brighton, and South Coast Railway. The book will be found of great help to anyone in search of a new locality in which to reside. It is daintily illustrated and contains



Low-cut and short-fronted shoes are popular this year, for fashion demands a short shoe to complete the small, compact effect of the modern skirt. Other features of the Lotus shoe are the high Cuban Leel and the broad toes.

Various districts

Other features of the Lolus shoe are the high book may be had on application to the Publicity Department, Brighton Railway, London Bridge Terminus

#### CHESS.

RRESPONDENTS.—Communications for this department should be didressed to the Chess Editor, Milford Lane, Strand, W.C.

V A Way (Doncaster). - In No. 3551, after P to R 4th, 2. R to Q 4th, K takes R, surely 3 B to B 6th, mate, is very evident. Have you got the problem correctly set up?

the problem correctly set up? RLAIR H. COCHMANS (Net sheld).—The error is one easily made, and we therefore credit you with the solution of No. 3500. 'As regards the other matter, the last address was from Darlington.

If M. PRIDARUX (Exeter.—The author has had problems published elsewhere, but we appreciate his merits as much as anybody.

CHESS IN SURREY.

Game played in the Championship Tournament of the British Chess
Federation at Richmond, between Messrs. HAMOND and MICHELL.

(Queen's F BLACK (Mr. M.) P to Q 4th Kt to K B 3rd P to B 4th P to K 3rd.

suggested as a saving out White for the time Kt takes O P

O takes Kt(ch) O takes O
B to K 4th K to R 2nd
B takes O
K to B 6th
B takes O
K to B 6th
B takes R
B to K 3rd (ch) Resigns.

SOLUTION OF PROBLEM No. 3561.—By R. G. THOMPSON. WHITE

1. Kt to Q 4th

2. Mates accordingly. BLACK Any move

PROBLEM No. 3564.—By A. M. Sparke-BLACK.



WHITE. White to play, and mate in two moves.

#### "BETWEEN TWO THIEVES."

"BETWEEN TWO THIEVES."

The two thieves of Richard Dehan's powerful new novel are Napoleon III. and the Army contractor responsible for some of the worst horrors of the Crimean war. The author of "The Dop Doctor" does not, as may be guessed, spare us any of the horrors; "Between Two Thieves" (Heinemann) ranges over the vices of the Third Empire and the fever-stricken armies before Sevastopol, and omits nothing that could heighten the effect of a passionate denunciation. It calls itself "a work of fiction, founded upon the rock of indisputable fact," a description that covers the appropriation of the personality of Miss Florence Nightingale, who is easily recognised in Ada Merling. It is a noteworthy and brilliant book, with something of the ardent-spirit of Henry Kingsley in its finer passages. It has brutal lapses, and its faults are many; but that it is a big book; a live book, few who read it will deny. Could quarrel with the writer over a dozen points—an interpretation of Napoleon III. that omits the dreamer and makes him wholly despicable, for one — but we have read it with the deepest interest and admiration.

Parents in search of schools for their boys and girls will find much useful information in that well-known work, "Paton's List of Schools and Tutors," which has just been issued in its fifteenth annual edition—that for 1912-13. It is published by J. and J. Paton, 143, Cannon Street, E.C.



## RECENT SUCCESSES of the 15 h.p. STRAKER-SQUIRE

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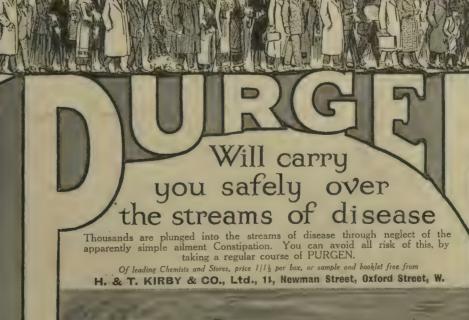
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DISEASE

#### THE CHRONICLE OF THE CAR.

The Problem of the Car-Thief.

Is there such a problem as the one connoted by the line which heads this paragraph? I think there is, for the reason that I read with almost disquieting frequency of cars being stolen from garages and left stranded by the roadside, miles away from home, and even of cars which have been left standing outside places at which their letimate owners are paying calls being driven away, sans circimonie, by unauthorised persons. This is apart altogether from the question of the joy-riding chauffeur, which is an admittedly acute one, and one which seems almost impossible of solution. Taking first the matter of the out-and-out theft of cars, I do not think we have as much reason to fear this sort of contretemps as might really be the case. Fortunately, a stolen car is apt to become something of a white elephant on the hands of its purloiner, because we have not quite got to the stage in which a regulal In iness can be made of so altering the illegitimately acquired car that it cannot be identified, and can thus be converted into a readily negotiable asset. If that were the case, as it is with other kinds of portable property, I imagine that the problem of the car-thief would rapidly develop into an acute one. In these progressive days, it is the exception rather than the

rule to find anyone who has not at least a fair smattering of mechanical lore, and I was almost on the point of committing myself to the statement that everyone is sufficiently well acquainted with the working and mechanism of the car to be able to drive it. That would be too sweeping,

JUST THE CAR FOR MOTOR-CAMPING. A METALLURGIQUE IN A SECLUDED NOOK FOR A PICNIC

Motor-camping is excellent if the party is provided with a suitable car. The Metallurgiques are well adapted for the rough-and-tumble going over cartracks and fields which is usual on such occasions.

but it is still sufficiently near the mark when it is under-stood that the word stood that the word "everyone" is used in its generally accepted sense. As mechanical knowledge spreads, the risk we run of having our cars removed from our own lawful custody becomes greater, and the need for caution increases.

increases.
Considering the large number of owner - driven cars now in use and the fact that it is often

necessary to leave the car standing unattended for hours at a time, it is rather surprising that car-manufacturers have not bethought them of incorporating in the design of their vehicles some sort of fitment which would render them thief-proof. Certainly there are one or two devices which achieve the desired effect. One of the best is the ignition-switch lock, which, once the current is switched ofi, can only be put to "on" position by the use of a special key, and which ought to be fitted to every car in which the saving of the ultimate penny is not essential. Then there are devices for locking brake and gear-levers, but of these I do not think very much, because they entail a separate operation to bring them into effect, and the motorist is too apt to forget them or else to think that he need not trouble about locking things up at every stop. A dodge I have often employed, especially when leaving a car for the night in a strange garage, is to remove the porcelain cap over the safety-gap of the magneto and drop in a couple of halfpennies, afterwards replacing the cap. I don't know if many attempts have ever been made to go joy-riding on cars I have treated in this way, but if anything of the sort did perchance happen, I must have missed quite a lot of quiet amusement. To my mind, there is nothing like the switch-lock, for not-only does it completely baffle the car-thief, but



RECORDING THE ALTITUDE OF RIVAL BOMB DROPPERS OFFICERS TAKING OBSERVATIONS AT THE MICHELIN AERO TARGET COMPETITION.

This year's Michelin Aero-Target Competition was won the other day by the pilot Gaubert, carrying as marksman an American, Lieutenant Scott. The first prize was 50,000 francs, and there was a second prize of 25,000 francs.



MOTORING IN SIR PHILIP SIDNEY'S COUNTRY: AN 11-H.P. HUMBER OUTSIDE
THE LYCH-GATE AT PENSHURST, HIS BIRTHPLACE.
Penshurst Place, in Kent, is one of the most beautiful and interesting of old English country
houses. In it was born, in the year 1654, that pattern of chivalry, Sir Philip Sidney, and, in 1622,
the ill-fated Algernon Sidney.



FIRST



#### Arrol-Johnston Cars.

"HIS Season, orders came in for some forty cars per week, and we are now building new Works to fill the demand.

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# The Royal Automobile Club's Great Test of the Self-Starting

Self-Starting. Self-Igniting. Self-Lighting.



sets the seal on the most striking automobile development that has taken place for years.

FOUR OUTSTANDING FEATURES OF THE TEST.

(The extracts from the R.A.C. Certificate are given in inverted commas.)

#### 1. GENUINENESS OF THE TRIAL.

The cars tested were sent over for sale in the ordinary manner. There was no pre-liminary tuning up, and two of those selected by the official observer were in their crates up to a few hours before the trial.

#### 2. RAPID STARTING.

"The average starting was 4/5 secs." Compare this with the average time taken for starting the engine by the crank and getting

#### 3. ABSOLUTE CERTAINTY.

"Three thousand starts (1,000 starts per car) were made without any hesitation at any time, and on no occasion did the starter fail in operation." This is a proof of the absolute reliability of

the system. Since they left Detroit, some months before, the cars had not been touched. Under such conditions there was a ready excuse in case of failure, but that complete success was attained the Certificate abundantly shows.

# 4. CADILLAC THOROUGHNESS. The whole trial emphasises the thoroughness

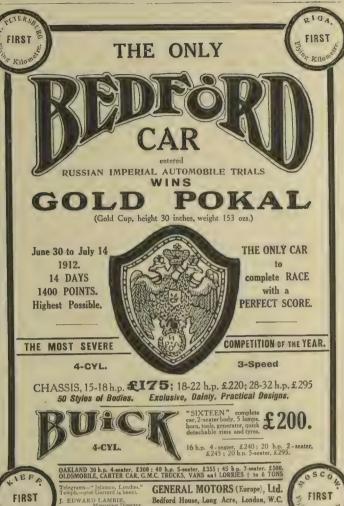
of Cadillac factory methods, and proves in a most convincing manner the excellent condition in which the cars are sent out, nothing more being necessary than to fix the batteries, fill up with petrol and oil, and start away.

Write for a copy of the R.A.C. Certificate. Nearly 11,000 of these Cadillac Cars are in use, and every one giving the greatest satisfaction. Illustrated Catalogue on request. Trials arranged.

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Continued.] so long as the owner keeps the key in his own possession, it also precludes the unauthorised use of the car by his own servants.

own servants.

The American
"Invasion."

There is much talk at the present time of the American "invasion."

Ten years ago we had a similar invasion of the British market, though not, of course, on anything like the scale to which the present one has attained. That one, however, had but a very short tenure of life, for the all-sufficient reason that the American car of that time was a pretty rotten proposition at its bestI am speaking of the cheaper class of vehicle, which was intended to appeal to the motorist of comparatively limited means. Its life was of the shortest, and short as was its existence, it was full of trouble. I find in many quarters a marked disposition to judge of the ultimate fate of the present invasion by that of the last. I often hear it said that in two years at the outside the voque will have run its course, and the American car will have disappeared from British roads. In that I think we are deluding ourselves, because the American car which is

right. It is in cost of production that the Americans right. It is in cost of production that the Americans excel, and that solely because they are able to build in thousands where we build in tens or at most in hundreds. Take, for example, the case of the Ford Company, which, it is said, contemplates turning out a quarter of a million cars next year. I frankly do not like the car, which to my mind has faults which make it unsuitable for motoring on English roads; but we cannot get away from the fact that it sells, mainly because of its low price, which in turn is made possible by enormous output. The only way in which we can hope to compete in the cheap-can market is by achieving similar outputs to those of the big American factories, and to do that argues a large combine on the lines suggested by Mr. Letts.

A Sleeve-Valve
Motor-Cycle?

Motor-Cycle?

Should be an exceedingly interesting one, especially if it is in contemplation to employ air-cooling. Yet another development is the application of this single-sleeve system to marine work, for which it seems eminently suitable.—W. WHITTALL.

#### WILLS AND BEQUESTS.

THE will of Mr. Edward Percy Barlow, of Kearsney Court, near Dover, who died on June 23, is proved by Frank Lewis Thornhill Barlow, son, and Travers B. Harby, the value of the estate being £134,033. He gives £500 to his wife; 1500 £10 ordinary shares in Wiggins Teape and Co. to his son Frank; 1500 shares in trust for his son Neith; and 1000 £10 preference shares in trust for each of his daughters, Barbara Barlow and Theodora Martyn. All other his property is to be held in trust to pay the income thereof to his wife during widowhood, or an annuity of £300 should she again marry. Subject thereto the remainder of his preference shares in Wiggins Teape and Co. are to be held in trust for his daughters, 2670 ordinary shares in trust for his cons, and the residue in trust for his children. THE will of Mr. EDWARD PERCY

The will (dated Feb. 18, 1903) of Sir Pyers William Mostyn, Bt., of Talacre Hall, Flint, and 53, Onslow Gardens, who died on May 10, is proved by Dame Anna Maria Mostyn, widow, and Edward Joseph Mostyn, the value of the real and personal estate being £116,598. He gives the Holywell Estate, other lands and premises, £1000, and the income from stocks and shares to his wife; £200 per annum

his daughter Helen; £500 to his daughter Clementina; and on the decease of Lady Mostyn certain Mostyn certain securities to his son and daughters son and daughters Clementina and Agnes. Under the provisions of the settlement of the family estate he appoints £10,000 to his daughters Clementina and Agnes. The residue is to be held in trust for his son on attaining twenty-five years of age.

The will (dated May 19, 1910) of SIR THOMAS WILLIAM BOORD, BT., of Oldbury Place, Ightham, Kent, formerly M.P. for formerly M.P. for Greenwich, who died on May 3, is proved by his sons, Harry Percy Boord and Alexander Edgar Boord, the value of the property being £27,884. The testator leaves all his estate and effect.



To COMMEMORATE THE CENTENARY OF MAURITIUS TURF CLUB: THE GOLD CUP PRE-SENTED BY PAST AND PRESENT CIVIL SERVANTS OF THE COLONY.

This handsome trophy, which is in solid gold, is of Greek design, and is surmounted by a figure of Winged Victory. It was designed and made by the Goldsmiths and Silversmiths Company, Ltd., of 112, Regent Street, London, W.

testator leaves all his estate and effects to his wife for life, and subject thereto his shares in Boord and Son are to be held in trust to pay the income thereof to his five children for life, and, on the death of his two daughters, divided between his three sons; and the residue held in trust for his two daughters.

The following important wills have been proved-

John Lang Macfarlane, 2, Lancaster Terrace, Great Western Road, Kelvinside, Glasgow, and of Macfarlane, Lang and Co., biscuit

and of Macfarlane, Lang and Co., biscuit manufacturers

Mr. Isaac Thomas Glasbrook, Norton House, Oystermouth, died intestate.

Mr. George Binns, Broomhall Road, Sheffield

Mr. Thomas Fairhurst, Kilbey Court, Worthington, Lancs

Mr. James Samuel Burroughes, F.R.G.S., The Homestead, Seaford, and Moses Farm, Lurgashall, Petworth, Chairman of Burroughes and Watts, Ltd., Soho Square

£269,018

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190,050

MOTORING IN SHAKESPEARE'S COUNTRY: A 24-30-H.P. SIX-CYLINDER WOLSELEY LIMOUSINE (1912 MODEL) ON THE ROAD NEAR KINETON, WARWICKSHIRE.

being imported into this country to-day is not, generally speaking, a bad car, but a very good one, and excellent value at the price at which it sells. Mr. W. M. Letts, who is certainly an authority on such matters, advocates a big combination among the British trade to build a light, cheap car on American lines, and therein I believe he is

# SIMPLICITY with STRENGTH.

Not one ounce of wheelstrength is sacrificed, yet the

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is so simple that it can't jam, can't loosen. A change can be made in two minutes by unscrewing 5 nuts. No other rim combines Simplicity, Security, and Solidity to such an extent.

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Repair Works: HYTHE ROAD, WILLESDEN.

Any make of cover or tube repaired in two to four days after receipt of instructions, according to the nature of damage.



# CENTENARY OF THE LOAUNCH OF BELL'S "COMET": GLASGOW & THE CELEBRATIONS.



"TO THE MEMORY OF HENRY BELL": THE CHIEF TOAST GIVEN AT THE "COMET" CENTENARY LUNCHEON, AT GLASGOW.

BY MR. M'KINNON WOOD, SECRETARY FOR SCOTLAND.

The luncheon which formed a part of Glasgow's festivities in celebration of the centenary of the launch of Henry Bell's steam-ship, the "Comet," was an exceptionally interesting function. The Corporation entertained some four hundred and fifty guests, including the Secretary for Scotland, and famous shipowners, engineers, and business men. Mr. M'Kinnon Wood, proposing "The Memory of Henry Bell," said that Bell had prescience, tenacity of purpose, and great courage. He died a poor man, but he would have died in actual want had not be Clyde Trustees granted him £100 a year; while the Government presented him with the inadequate gift of £200. The Clyde, he went on, has never lost the prestige it owes to Bell. He launched the first steam-ship upon waters which have since borne thousands of great ships, the carriers

of the commerce of the world. The banks he passed on his early yoyages are now covered with ship-building yards whence are launched the finest merchantmen and war-ships, many of them a thousand times as large as the little "Comet." From left to right, the chief figures are: Captain C. L. Napier, Sie Hugh Shaw-Stewart, Bt., the Right Hon. James Caldwell, the Right Hon. Alexander Ure, Lord Lamington, the Right Hon. Thomas M'Kinnon Wood, Lord Provost Stevenson, Admiral Sie John Jellicoe, the Marquess of Allaa, Lord Kingsburgh (the Right Hon. Sir John Hay Athole Macdonald, Lord Justice-Clerk of Scotland), the Right Hon. C. Scott Dickson, the Right Hon, James Parker Smith, and Sir Charles Bine Renshaw, Bt. The whole proceedings passed off most successfully.

## CENTENARY OF THE FIRST PASSENGER STEAM - BOAT IN EUROPE:

HENRY BELL AND CHE"COMET."

Something of the perverse fate which dogged the efforts of Symington to convince his contemporaries of the great method of navigation

attended the work of Henry Bell. Bell, however, has the distinction of producing the first practical steam-boat to ply regularly on European waters. He was born at Linlithgow on April 7, 1767, and was first employed as a

It the many anniversaries of important events in our national history which have called for celebration this year, or still call for it, none is of greater interest than that of August 6. On that day, one hundred years ago, the steam-boat *Comet* made her first trip on the river Clyde and heralded an epoch in the progress of civilisation, as well as a great triumph for man in his persistent fight against the elements. This tiny germ was the precursor of the floating palaces of the present day and the mercantile and naval services of the world. The idea of steam navigation dates as far back as the year 1543, when a Spanish captain named Blasco de Garay experimented in Barcelong Harbour with a steam back of kineses.

lona Harbour with a steam-boat of his own invention. This vessel, which was of 200 tons burden, attained a speed of three miles per In 1736 various trials were made

the Severn; and in the later half of that century both Frenchmen and Americans were engaged attempts to solve the problem of steam navigation.

In 1788 Wil-liam Symington, a native of Leadhills, Lanarkshire, achieved success propelling a double-keeled ves-sel on Dalswinton Loch, Dumfries-shire, and in 1789 he fitted out a larger boat with

engines, which was propelled at a speed of six miles per hour on the Forth and Clyde Canal. His

THE BUILDER OF THE STEAM-

BOAT "COMET": JOHN WOOD.

Charlotte Dundas, a stern-wheeler, built at Grangemouth in at Grangemouth in 1801, made an ex-perimental trip to Glasgow, and was in-tended for towing sloops on the Forth and Clyde Canal, but was withdrawn owing to the damage caused the wash of the paddles. It was on this vessel that Fulton, the American engineer, who claimed to be the inventor of steam navigation, was, on one occasion, a pas-senger, and made the acquaintance of Symington. In 1803 another attempt was made by Symington with his second Charlotte Dundas, but the and Clyde Canal, with a lack of foresight, and being apprehen-sive of their banks, ordered this boat to cease operations. Symington's experiments, so far fairly

successful.

THE FIRST PRACTICAL STEAM-BOAT TO PLY REGULARLY ON EUROPEAN WATERS: BELL'S "COMET," WHICH WAS LAUNCHED IN 1812.

The "Comet" first plied between Greenock and Glasgow, and then extended her sallings—for instance, through the Kyles of Bute to Tarbert, Loch Fyne, thence through the Crinan Canal to Oban and Fort William. Later still, she was transferred to Grangemouth, and then resumed her West Highland voyages.—[Draww DV A. FORESTIER.]

first Charlotte Dundas, Bell had applied to the Lords of the Admiralty for leave to demonstrate to them the practicability and

utility of an invention whereby vessels & might be driven against wind and tide. The Lords of the Admiralty came to the conclusion that his scheme was unworkable and could not give him their support. Lord Nelson, however, was a warm supporter of Bell's plans, and saw with a clear eye the vast possibilities of the enterprise. It is recorded that he threw out a serious warning to their Lord-

he threw out a serious warning to their Lordships in the following famous words—
"My Lords and Gentlemen,—If you do not adopt Mr. Bell's scheme, other nations will, and in the end vex every vein in the Empire. It will succeed, and you should encourage Mr. Bell."

Bell was, fortunately, endowed with a plentiful stock of confidence in the utility of his scheme, and was not discouraged by a short-sighted Government. He experimented with a pleasure-boat, into which he placed a boiler and engine of four horse-

of four horse-power. Subse-quently he sought the advice of James Watt as to a portable engine that would stand on its own base, with strong levers, of which he suggested the design. Watt's reply was discouraging. He wrote thus-

"How many noblemen, gentlemen, and engineers have puzzled their brains and spent their thousands of

ENGINES : JOHN ROBERTSON.

their thousands of pounds, and none of all these have been able to bring the power of steam in navigation to a successful issue."

Bell now made overtures to the European Powers, and

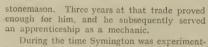
also to the United States, and so im-pressed was the Government of the latter with Bell's scheme that they commissioned Robert commissioned Robert Fulton, who was in England on their behalf taking draw-ings of cotton and other machinery, to visit Bell and in-vestigate his claims. He was much with He was much with Bell, and Bell's models were those which he adopted when he recrossed the Atlantic. Indeed, the engines of the steam host Clerk the steam-boat Cler-mont, which plied on the Hudson in 1807, the first American vessel to be pro-pelled by steam, were built, on Bell's suggestion, at the works of Messrs. Bolton and Watt, Birming-

On the dispute as to who

has the honour of inventing the steam-ship, the Report of the Select Committee of the House of Commons on Steam - Boats,



OWNER AND DESIGNER OF THE "COMET," THE FIRST PASSENGER - CARRYING STEAMER ON THE CLYDE: HENRY BELL.

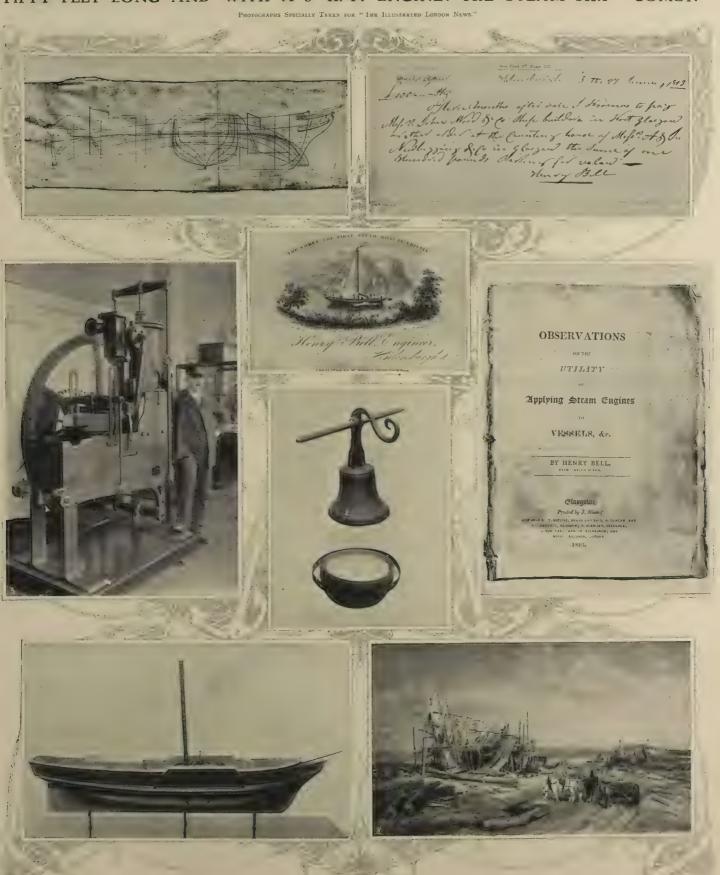


ing on Dalswinton Loch and the Forth and Clyde Canal, Bell was studying the possibilities of steam for the propulsion of ships. As early as 1800, a year before the appearance of the



involved him in financial difficulties. He died in London in 1831, and was buried in the churchyard of St. Botolph, Aldgate.

### FIFTY FEET LONG AND WITH A 3-H.-P. ENGINE: THE STEAM-SHIP "COMET."



- THE "COMET" PLANNED ON PAPER: THE ORIGINAL SHEER DRAUGHT OF HENRY BELL'S PADDLE STEAMER.
   FOR THE BUILDING OF THE "COMET": A PROMISSORY NOTE FROM HENRY BELL TO JOHN WOOD.
   OF THREE HORSE-POWER: THE ENGINE OF THE "COMET," MADE BY JOHN ROBERTSON.
   SHOWING "THE 'COMET," THE FIRST STEAM-BOAT IN BRITAIN": HENRY BELL'S BUSINESS CARD.

With the exception of the "Comet's" engine, which is in South Kensington Museum, everything illustrated on this page is to be seen in the extremely interesting British Steam Navigation Centenary Exhibition in the Kelvingrove Museum, Glasgow. The following notes as to certain of the subjects should be made. The original sheer draught of the "Comet" was presented by Mr. John Wood te Mr. Low, Sawmills, Port-Glasgow, and on his death passed to Mr. Matthew Blackwood. The exhibition contains three promissory notes from Henry Bell—one to Messrs. John Wood and Co. towards the building of the "Comet" and two to David Najer for the boiler. The "Comet's" engine was condensing—of 3 h.-p. The engine-shaft appears to have been of cast—iron and fitted with a fly—wheel. Henry Bell's business card is lent to the

- 5. FROM THE FIRST STEAMER SEEN ON THE CLYDE: THE BELL AND COMPASS OF THE "COMET."
- 8. PRINTED IN GLASGOW IN 1813: A PAMPHLET BY HENRY BELL.
  7. THE FIRST PASSENGER-CARRYING STEAMER ON THE CLYDE: A MODEL OF THE FIFTY-FEET LONG "COMET."
- 8. WHERE THE "COMET" WAS BUILT: JOHN WOOD'S YARD, PORT-GLASGOW.

exhibition by Mr. John Wilson, of 83. Jamsica Street. Glasgow. The bell and the compass of the "Comet" are the property of the Corporation. The "Comet" had an over-all length of 50 feet, a breadth of 11 feet, and a depth of 5 feet 6 inches. The paddles were simply four blades fixed on arms, two on each side of the boat. These not being satisfactory a single pair was substituted, the hull was lengthened, and a new engine put in. "The engine of the 'Comet' was at first about 3 horse-power. The cylinder was placed vertically, the piston-rod had a cross-head from which depended two side rods which were connected to a lever below, from which motion was given to the connecting rod and craok. A large fly-wheel was added to steady the motion, and toothed wheels connected the engine-shaft with the paddles."

published in 1822, sums up the various claims to that distinction. It states—

published in 1822, sums up the various claims to that distinction. It states—
"Mr. Jonathan Hulls, in 1736; the Duke of Bridgewater, on the Manchester and Runcorn Canal; Mr. Miller, of Dalswinton; the Marquis of Jouffroy, a French nobleman, in 1781; Lord Stanhope, in 1798; and Messrs. Symington and Taylor, on the Forth and Clyde Canal, in 1801-2: these ingenious men made valuable experiments and tested well the mighty power of steam. Still no practical uses resulted from any of these attempts. It was not till the year 1807, when the Americans began to use steam-boats on their rivers, that their safety and utility was first proved. But the merit of constructing these boats is due to the natives of Great Britain. Mr. Henry Bell, of Glasgow, gave the first model of them to the late Mr. Fulton, of America, and corresponded regularly with Fulton on the subject. Mr. Bell continued to turn his talents to the improving of steam apparatus and its application to various manufactures around about Glasgow and, in 1811, con structed the Comet steamboat (the first of its kind in Europe) to navigate the Clyde from Glasgow to Port Glasgow, Greenock, Helensburgh and Inverness."

About 1807, Bell had a definite conception of the style of engines he desired for propelling

About 1807, Bell had a definite conception of the style of engines he desired for propelling

engine was of the condensing type of three horsepower, the cylinder 11½ in, diameter, and the stroke 16 in. She was originally fitted with two pairs of paddle-wheels, 7 ft. in diameter. The preliminary trials of the vessel proved a failure

Canal. After a short time on this route she was transferred to Grangemouth, but in August 1819 she reappeared on the West Coast and resumed her West Highland voyages.

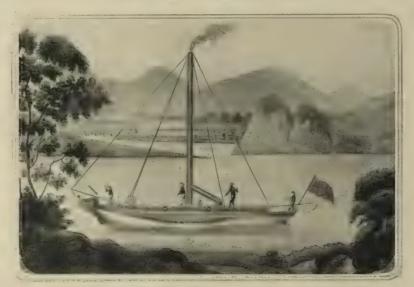
On Dec. 19, 1820, the Comet, on a voyage from Oban to Glasgow,

was wrecked outside Crinan, the crew and passengers fortunately being able to scramble ashore. When the Comet was wrecked, Bell was on board, and on his way to Glasgow to arrange for the building of a larger vessel; and in 1821 the second Comet was built by James Lang, of Dumbarton. She also traded in the West Highlands for a few years, but her career was shorter than that of her predecessor, as on Oct. 21, 1825, she collided with the steamer Ayr, off Gourock, seventy of the passengers

being drowned.

Bell derived no benefit from his first venture, and the loss of the second Comet brought him financial disaster. He was never in a position to pay in full either the builder or the maker of the en-

gine of the first Comet, but, with great generosity, Wood did not press for a settlement. The Government were approached on several occasions to grant Bell a pension as a



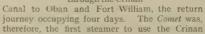
AS SHOWN IN AN OLD PRINT: THE "COMET" AS SHE WAS IN 1812, THE YEAR OF HER LAUNCH

THE FIRST PRACTICAL STEAM - BOAT; AND A SHIP OF TO-DAY: THE "COMET"; AND THE "COLUMBA," WHICH PLIES ON THE FIRTH OF CLYDE.

owing to one pair of paddle-wheels working in the wash of the other, and causing a loss of power. One pair of the paddles was removed, and

another engine of four horse-power substituted, having a cylinder of

The Comet's first voyage was from Greenock to Glasgow, on Aug. 6, 1812, the distance of twenty-two miles being covered in 3½ hours. After plying on the Clyde for a month, her sailings were ex-tended, as we find that she sailed through the Kyles of Bute to Tarbert, Loch Fyne, thence





ERECTED IN 1838 AS A MEMORIAL TO THE "COMET'S" OWNER: THE HENRY BELL MONUMENT AT DUNGLASS POINT.

was in year or two later he communication with the brothers John and Charles Wood, shipbuilders, Port Glasgow, and eventually commis-

reward for his inestimable services, but without avail. After much solicitation, they granted him the paltry sum of £200. The Clyde Trustees, how-

ever, came to his aid. and, greatly to their credit, they first allowed him £50 per annum, which they shortly afterwards increased to floo per annum, during his life, and graciously con-tinued to his widow.

Henry Bell died at Helensburgh on Nov. 14, 1830, having lived for eighteen years after the birth of his famous Comet, to see the evolution of the result of his genius and per-severance. To his memory in his native village of Torphichen Mill there is a hand-some tablet, and at Dunglass Castle, where the estuary of the Clyde widens out into a panorama of Highland loch and mountain, a noble obelisk has been reared: but the grandest memorial to the genius of Henry Bell is the modern steam-ship.



THE END OF THE SECOND "COMET": THE WRECK OF THE STEAM-BOAT ON THE SHORE AT GOUROCK. The first "Comet," which traded by "the power of wind, air, and steam," was wrecked outside Crinan in 1820, while on her way from Oban to Glasgow. No lives were lost. The second "Comet," built in 1821, was lost by collision off Gourock in 1825. Seventy of the passengers were drowned. from Oban to Glasgow.

31.05

sioned John Wood to build a vessel for him at his yard, Port Glasgow. The engines were made by John Robertson, engineer, Glas-gow, and the boiler by David Napier. launch, on the authority of a list supplied

The date of the

by the builders, and

contained in a Parliamentary Report of

lamentary Report 24, 1812. The vessel was launched practically complete with steam up, and was named the Comet, after a matter which

meteor which ap-peared in the heavens some time previously

Built of wood, she was 43 ft. 6 in. long; 11 ft. 4 in. broad;

5 ft. 9 in. deep, with a draught of 4 ft. She carried a large

square sail, which was brought into use

when the weather was

favourable. The

### THE CENTENARY OF THE "COMET": THE GLASGOW CELEBRATIONS.



- DECORATED FOR THE CENTENARY OF THE LAUNCH OF THE "COMET": THE HENRY BELL OBELISK AT HELENSBURCH AS IT WAS DURING THE FESTIVITIES.
   DRESSED FOR THE CENTENARY: THE LINER "GRAMPIAN" ON HER WAY DOWN THE CLYDE EN NOUTE FOR CANADA.
   KEENLY INTERESTED IN THE CENTENARY: PROVOST JAMES FISHER, OF ROTHESAY, ORIGINATOR OF THE CELEBRATIONS, AND BAILLE JAMES MCMILLAN, OF ROTHESAY.

The programme of Glasgow's celebration of the centenary of the launch of Henry Bell's steamer, the "Comet," included the running of illuminated cars; a luncheon in the City Chambers; and an excursion to the Tail of the Bank to see the display of shipping, which included ware-vessels, merchant-vessels, yachts and other eraft. The whole affair was a great success and reflected much credit upon the organisers, In connection with the event, there is an excellent exhibition, in Kelvingrove Museum, illustrating the history and development of steam navigation. The collection includes: (1) Models of early experimental Steam-

- 2. THE SECRETARY FOR SCOTLAND AND THE LORD PROVOST OF GLASGOW: MR. M:KINNON WOOD AND MR. D. M. STEVENSON AT THE CELEBRATIONS

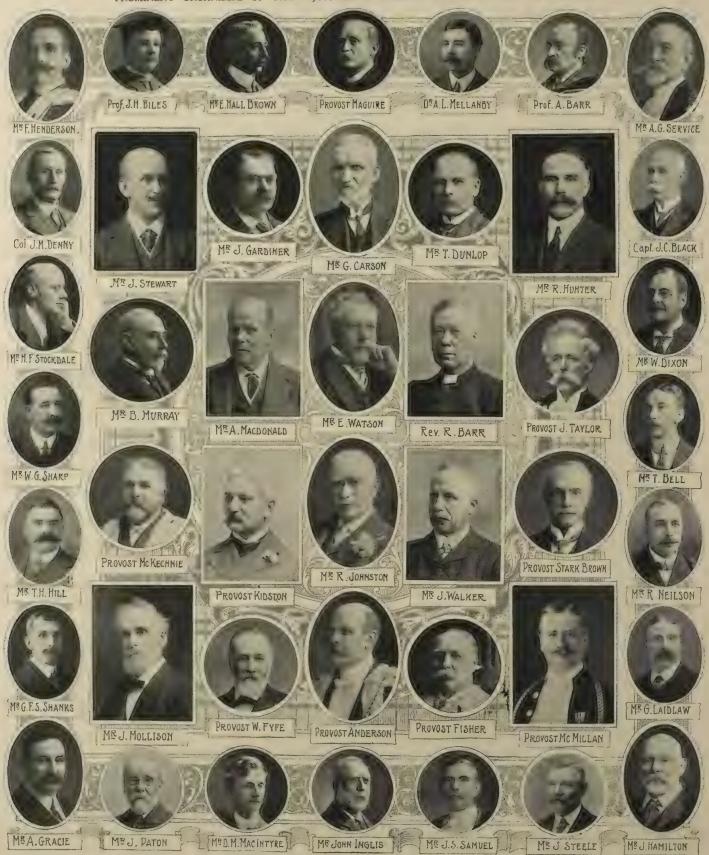
  4. REPRESENTING THE "COMET": A CORPORATION CAR IN THE GUISE IN WHICH IT RAN THROUGH GLASGOW AT NIGHT, ILLUMINATED

  1. DESCENDANTS OF HENRY BELL: MR. HENRY BELL LOWE AND MR. PETER BELL LOWE GREAT-GRANDNEPHEWS; MR. H. B. MACPHAIL AND MR. J. M. MACPHAIL GRANDSONS

propelled Vessels; (2) Models of the earliest Steam - Vessels which plied commercially; (3) Models illustrating the progress of Steamship building in Tonnage, Power, and Speed; (4) Illustrations of the development and variations of Marine Engines, including Turbines and other Motors and Marine Boilers; (5) Illustrations of history of Steam Power as applied to War-Vessels; (6) The development of Ocean Steamship Navigation; (7) Auxiliary Appliances connected with Marine Engines; (8) Pictures, Engravings, and Drawings relating to Steam Navigation; and Naval Engineering; (9) Portraits and Personal Relies of Inventors and others,

### THE CENTENARY OF THE LAUNCH OF THE STEAMER "COMET," AT GLASGOW:

PROMINENT ORGANISERS OF THE REJOICINGS IN HONOUR OF HENRY BELL'S ENTERPRISE.



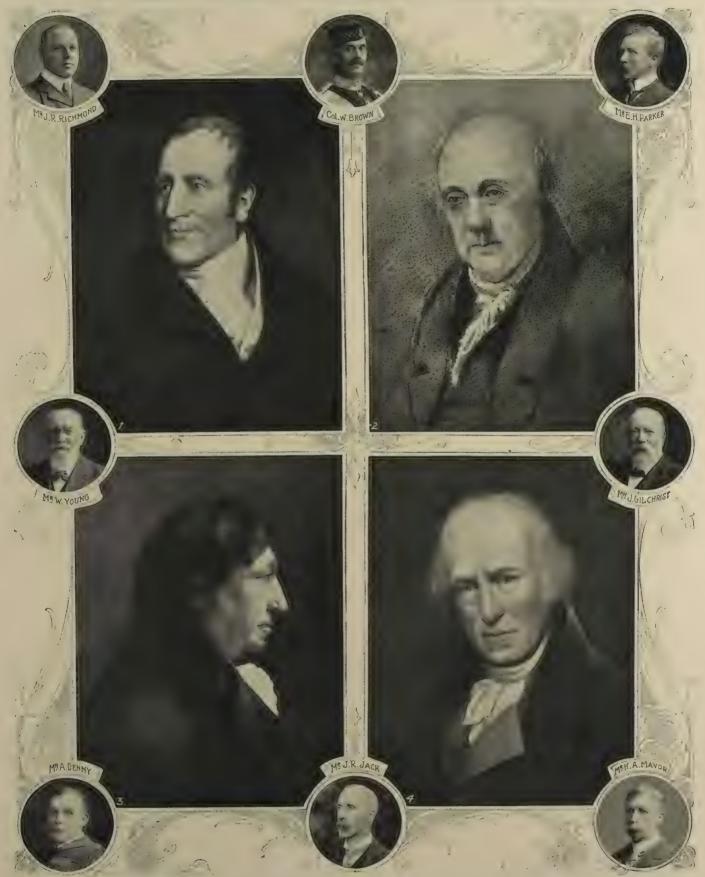
### CELEBRATING THE CENTENARY OF STEAM NAVIGATION ON THE CLYDE: MEMBERS OF THE EXECUTIVE COMMITTEE AND OTHERS.

The members of the Executive Committee of the "Comet" Centenary at Glasgow shown above are: Bailie James Stewart, River-Bitlie Gardiner, Councillors George Carson, Thomas Dunlop, Robert Hunter, Bruce Murray, Andrew Macdonald, and Edward Watson; the Rev. Robert Barr, of Renfrewshire County Councill; Provosts John Taylor, of Clydebank; McKecholie, of Govan: McMillan, of Greenock; A. M. M. G. Kidston, of Helensburgh; Councillor Robert Johnston and Mr. John Walker, of Kirkintilloch; Provost Thomas Stark Brown and Councillor Mollison, of Partick; Provosts William Fyfe, of Port-Glasgow; W. F. Anderson, of Renfrew; Fisher, of Rothesay (originator of the celebrations); Maguire, of Dunoon; Mr. Francis Henderson (Dean of Rothesay (originator of the celebrations); Maguire, of Dunoon; Mr. Francis Henderson (Dean of Rothesay (Originator of the Celebrations); Maguire, of Dunoon; Mr. Francis Henderson (Dean of Rothesay (President), of the Institution of Engineers and Shipbuilders of Sociland; Dr. A. L. Mellanby and Mr. H. F. Stockdale (Sceretary), of Glasgow Technical College; Professors A. Barr and J. H. Biles, of Glasgow University; Captain J. C. Black, of the Mercantile Marine Service Photographs (the majoraty) by Lagagette, Glasgow states by Maguil and Fr. H. W. Captain, Tarabell and Mr. Leich Life College; Professors A. Maguil and Fr. H. W. Captain, Charles and Maguil and Fr. H. W. Captain, Captain Ca

Association: Mr. Walter Dixon, President of the West of Scotland Iron and Steel Institute; Colonel John M. Denny, of Dumbarton; Mr. Alexander Gracie, of the Fairfield Shipbuilding Co., Govan; Mr. John Hamilton, of W. Beardmore and Co., Dalmuir; Mr. Thomas Bell, of John Brown and Co., Clydebank; Mr. W. G. Sharp, of the Boilermakers, Iron and Steel Shipbuilders' Society; Mr. T. H. Hill, of the Ship Constructive and Shipwrights' Association; Mr. Robert Neilson, of the Amalgamated Society of Engineers; and Mr. G. F. S. Shanks and Mr. George Laidlaw, of the Glasgow Trades Council. Portraits also appear on this page of Mr. John Inglis, LLD., of the Committee of Clyde Navigation Trustees on Shipping Display; Councillor James Steele, Convener of the Museums and Art Galleries Sub-Committee; Mr. James Paton. Curator of Art Galleries and Museums; Mr. John S. Samuel, Private Secretary to the Lord Provost of Glasgow; and Mr. D. M. MacIntyre, Assistant to the General Manager and Secretary of the Clyde Navigation Trust.

### THE "COMET" CENTENARY: PIONEERS OF STEAM NAVIGATION:

AND MEMBERS OF THE HONORARY ADVISORY COMMITTEE OF THE CENTENARY EXHIBITION.



1. FOUNDER. OF THE FIRST PASSENGER STEAM BOAT SERVICE ON THE CLYDE: HENRY BELL

3. AN EDINBURGH BANKER WHO SPENT A FORTUNE ON EXPERIMENTS WITH STEAM - BOATS: PATRICK MILLER.

Patrick Miller and William Symington, in 1788, tried a small steam-boat on Dalswinton Loc Patrick Miller and William Symington, in 1788, tried a small steam-boat on Dalswinton Loch, and a larger vessel in the following year on the Forth and Clyde Canal. In 1802, on the same canal, appeared Symington's "Charlotte Dundas," Patrick Miller, of Dalswinton (1731-1815), was a friend and landlord of Robert Burns. William Symington (1764-1831), who was an engineer, was eventually ruined by his experiments with steam-boats, and did in poverty. James Watt at first discouraged the use of steam on ships, but, later, his firm-Boulton and Watt, of Birmingham-built the engines for Robert Fulton's "Clermont," placed on the Hudson in 1807. Henry Bell (1767-1830), of Heleasburgh, was the pioneer of 2. DESIGNER OF THE "CHARLOTTE DUNDAS" IN 1801 AND EARLIER STEAM - BOATS: WILLIAM SYMINGTON.

4. THE FATHER OF THE STEAM-ENGINE, WHO AT FIRST DISCOURAGED HENRY BELL FROM APPLYING IT TO SHIPS: JAMES WATT.

Symington, in 1788, tried a small steam-boat on Dalswinton Loch, following year on the Forth and Clyde Canal. In 1802, on the mington's "Charlotte Dundas." Patrick Miller, of Dalswinton and landlord of Robert Burns. William Symington (1764-1831), eventually ruined by his experiments with steam-boats, and died tense of steam on ships, but, later, his firm-ningham—built the engines for Robert Fulton's "Clermont," placed Henry Bell (1767-1830), of Helensburgh, was the pioneer of Portrails specially pholographed by "The Illustrated London News": Pholographs in the Border by Lafayette, Glasgow; and Mellwrich, Paisley.



N Scotland there are no

Chairman of the Clyde Navigation Trust: Sir Tromas Mason, J.P., D.1

Indicate his least the commercial spirit of the city decreated that it was not to be a "joy for ever." In the beginning of last century there was at the Broomielaw one little quay, which haven was more often desired than attained, as small craft drawing two or three feet of water could only reach it through much tribulation. One hundred years of swiftly flowing time, and the scene is changed! The quays, then a



HEADQUARTERS OF A GREAT ENTERPRISE: THE CLYDE NAVIGATION TRUST CHAMBERS.

the famous James Watt. In 1781, Golborne reported again; in 1799, John Ren-nie was consulted; and in 1806, Thomas Telford; and, on the advice of those eminent engineers, further schemes of improvement were adopted. Their efforts

GENERAL MANAGER AND SECRETARY OF THE CLYDE NAVIGATION TRUST:
MR. T. R. MACKENZIE.

were adopted. Their efforts
in the training of the river
by walls and jetties were so successful that in 1806 a vessel
of 120 tons, drawing 8½ feet, reached Glasgow. The history
of the navigation since has been one of unbroken prosperity,
and the earnest work of the citizens and their advisers has
been of incalculable value not only to Glasgow but to the
trade of the world.

The affairs of the River and Port were managed by the
Municipality until the beginning of last century, when the



SHOWING THE FINE CLYDE TRUST OFFICES: THE EAST END OF GLASGOW'S GREAT HARBOUR.

few yards in length, are now eleven miles in extent, with deeply founded and solid walls, at which keels scarcely find bottom at forty feet, and from which a vessel may safely leave for sea with 12,000 tons of the products of industry.

The Municipality of Glasgow were the pioneers in the improvement of the Clyde Irom Glasgow to the sea. In the beginning of the seventeenth century a few small vessels traded to Glasgow, but could not come nearer than Dumbuck—fourteen miles seawards. The river was narrow and tortuous, with several islands, and so shallow as to be in many places fordable. The methods adopted to clear the channel by means of such little money as was at the disposal of the Municipality were of the most primitive kind, and it was not until 1603 that any attempt was made to build a quay, which was so diminutive that the work was faced with timber from the "High Kirk or back gallery." The trade and requirements of the city, however, developed so rapidly that it was found necessary to seek some place below Dumbuck for the loading and unloading of goods, and in 10608 lands were acquired at Newark, eighteen miles from Glasgow, on which there was a small private harbour, and this harbour, with additions, came to be known as Port Glasgow. Here the principal trade of the Port was carried on. 13y the

Union with England, the Colonies were opened up to commerce, when there was a considerable trade with Virginia. A vessel of sixty tons was built on the Clyde in 1718, which commenced the trade in tobacco for which Glasgow became famous; and the ensuing rapid development resulted in the Year 1722, proceed-Town Council, in the year 1722, proceeding, with the construction of another quay near Glasgow Bridge.

In 1755, Smeaton, the engineer of the Eddystone Lighthouse, reported on the river, and following thereon the first Act of Parliament was obtained in 1759 for improving the navigation. In 1768, John



AS IT WAS IN THE YEAR OF THE LAUNCHING OF THE "COMET," THE FIRST STEAM - BOAT ON THE CLYDE: GLASGOW HARBOUR IN 1812.

Golborne, of Chester, reported that the river was in a state of nature, and a year later, a report was got from



"GLASGOW MADE THE CLYDE, AND THE CLYDE MADE GLASGOW" IN THE HARBOUR.

Council was formed, under an Act of Parliament passed in 1800, into a separate body as statutory trustees. They were empowered to convey to themselves the dues authorised to be levied, and also the quay and harbour itself, and to take over the responsibility of deepening and widening the river for the eighteen miles between Glasgow and the Firth, and of maintaining and improving the harbour. Since then various changes have been made in the Constitution. The number of "The Trustees of the Clyde Navigation" is now forty-two, ten being chosen by the Municipality, two each by the Chamber of Commerce, Merchants' House, and Trades' House of Glasgow, eight by the Counties and small towns on the river, and eighteen by the harbour-dues payers

The improving of the river is carried on constantly, and for this purpose the Trustees have dredgers capable of dredging in forty-eight feet of water and cutting their own flotation, and a large fleet of hopper barges for conveying the excavated materials to sea. The quays, which are, for the most part, solid walls founded on concrete caissons, are equipped with sheds varying from 60 to 100 feet wide, with lines connecting with the principal railway systems of the country.

Besides the quays on the open river, there are four tidal basins, viz.; Kingston Dock, Queen's Dock, Prince's Dock,



SIGNS OF PROSPERITY: VESSELS IN THE SOUTH BASIN OF ROTHESAY DOCK



VIEWED FROM THE ENTRANCE: QUEEN'S DOCK, A CENTRE OF MUCH COMMERCE.



WITH A WATER AREA OF 35 ACRES: PRINCE'S DOCK, OPENED IN 1897 BY THE THEN DUKE AND DUCHESS OF YORK.

and Rothesay Dock, which comprise fully one-half of the whole quayage. The docks are available at all states of the tide, the range being only about ten feet. Rothesay Dock, with over a mile of quayage, chiefly for the ore and coal trade, is equipped with modern appliances entirely wrought by electricity, and in this respect is the only dock of its kind in the country. There are three graving docks: one 880 feet long; and the Trustees are about to construct another of such dimensions as will accommodate any vessel in H.M. Navy or in the Merchant Service, and will probably be the largest in the world. The

DEPUTY CHAIRMAN OF THE TRUSTEES OF THE CLYDE NAVIGATION TRUST MR. W. H. RAEBURN.

Trustees are constructing a granary of the most modern kind to contain 31,000 tons of grain, with elevators and other appliances wrought by electricity for the rapid handling and the storage

by electricity for the rapid handling and the storage of grain.

In addition to special berths for the lines of steamers trading to all parts of the world, there is ample berthage for tramp steamers with grain, timber, and ore, and for the shipment of coal, iron, and the great variety of other goods, as well as facilities for fitting out merchant and war vessels. The Trustees have been unremitting in their efforts, not only to provide for the rapid handling of cargoes, but also to meet

the requirements of the deep-draughted vessels of to-day; as steamers drawing twenty-eight feet may leave the quays two hours before high-water and reach the sea in one tide.

sea in one tide.

The huge steamers built on the Clyde have also to get to deep water. From the yard which bore the Lusitania will shortly be launched the Cunarder Aquitania, which will be over 900 feet long. The most powerful war-ships are launched safely from those

and Steel, and Machinery, 850,005 tons; and Imports—
Corn, Wheat, Flour, etc., 545,087 tons; Ores, Pig-Iron,
and Limestone, 1,806,714 tons; Timber, 234,168 tons;
and Fruits, 90,138 tons. Of the whole tonnage the exports form 60 per cent., and the foreign trade, 70 per cent.
In 1812 the Revenue from the dues of the Port
was only f4600. Filty years later, it was f111,000,
and since then it has steadily increased until, for
the year ended June 30 last, despite losses through
labour troubles, it amounted to over
f582,000. Fifty years ago the quayage did not extend more than two
miles, and there was not a single



AS IT IS IN 1912, THE YEAR OF THE CELEBRATION OF THE CENTENARY OF THE "COMET'S" FIRST JOURNEY ON THE RIVER + THE CLYDE, VIEWED FROM THE SAILORS' HOME, GLASGOW.

famous ship-building yards, and lie afloat at all states

famous ship-building yards, and lie affoat at; all states of the tide.

The Trustees have spent in forming the river and harbour about ten millions sterling, seven of which have been borrowed, and the annual expenditure for maintenance and interest at present is over £500,000.

Glasgow is pre-eminently a manufacturing centre, and is surrounded by coalfields and ironworks. Of the articles of commerce dealt with annually at the Port the following are the principal; Exports—Coal, 4,107,427 tons; Iron



ENGINEER OF THE CLYDE NAVIGATION TRUST: MR. W. M. ALSTON.

dock; now it is eleven miles, and there are four docks.

As recently as twenty years ago, the nett register tonnage of vessels using the Port in the year was 6,920,566; this year it was 12,220,518. The tonnage of goods was 4,896,817; now it is 9,524,002.

Much expense has been avoided by the foresight of the Clyde Trustees, as lands for dock purposes have been acquired at moderate prices; and they now possess 400 acres near Glasgow, having two miles of river frontage, on which will be formed not only the mammoth graving dock, but about six miles of quayage. The Trustees have always enjoyed public confidence, the splendid Port of to-day being eloquent of the wisdom of their management.



IN 1812, ONE LITTLE QUAY AT THE BROOMIELAW; IN 1912, ELEVEN MILES OF QUAYS: IN GLASGOW'S BUSY HARBOUR.

# HONOURING THE DESIGNER OF THAT "SPLUTTERIN' THING," THE "COMET": THE CENTENARY CELEBRATIONS ON THE CLYDE.



GLASGOW'S RECOGNITION OF HENRY BELL, THE MAN WHO LAUNCHED THE FIRST STEAM-SHIP UPON WATERS NOW WORLD-FAMOUS: THE SHIPPING DISPLAY AT THE TAIL OF THE BANK.

When an old "skipper" first saw the "Comet" on the Clyde he piped the whole of his ship's company—a man and a boy—on deck and said to them: "Kneel doon and thank God that ye sail with the Almichty's ain wind, and no' wi' the De'il's ain fire and brimstone like that splutterin' thing there." That was a hundred years ago. Last week Glasgow honoured Henry Bell, who was responsible for the "splutterin' thing," by keeping the centenary of the launch of the "Comet" with great rejoicings. August 31 was a general holiday in the Towns of the Clyde, and there was a very interesting display of shipping off the Tail of the Bank. To view this display the Royal Mail steamer "Columba," which had been placed at the disposal of the Centenary Executive Committee, set out at noon on a voyage of inspection with a distinguished company numbering several hundred. The trip was a striking revelation of the vast extent and scope of the Clyde shipbuilding industry, for every

conceivable type of steam-ship was seen in the making, from great war-ships and liners down to little tugs and river craft. For instance, to mention only war-ships at Messrs, Harland and Wolff's Yard at Govan were the Australian cruiser "Sydney," the Admiralty depot-ship "Woolwich," and three destroyers; in the Fairfield Company's yard the cruiser "New Zealand" and five destroyers; at Messrs. John Brown's yard at Clydebank the cruisers "Southampton," "Tiger," and "Australia," and several destroyers; at Messrs, W. Beardmore's yard the battle-ships "Conqueror" and "Benbow," the cruiser "Dublin," and two destroyers; and at Messrs. Yarrow's yard at Scotstoun more destroyers and three gun-boats. In the illustration are—on the left a liner, and then, from left to right, the flag-ship "Hercules," the "Colossus," the "Monarch," and the "Neptune"; in the right foreground is the "Columba."

CHAIRMAN OF THE ALLAN LINE STEAMSHIP COMPANY: MR. HUGH A. ALLAN,

TWO years be-fore the Battle of Waterloo, when the Duke of Wel-

GIAIRMAN OF THE ALLAN LINE STEAMSHIP COMPANY: MR. HUGH A. ALLAN.

Mr. Hugh A. Allan is the son of the late Mr. Andrew Allan, parinter with his brother, the late Sir Hugh Allan, in Montreal-Mr. H. A. Allan is also a Director of the Grand Trunk Pacific... [Prices, by Indiastrict]

A. Allan is also a Director of the Grand Trunk Pacific... [Prices, by Indiastrict]

gaged in conveying supplies to Spain for the Duke's Gores. Her commander was Captain Alexander Allan, a young Scot, a native of Salteoats, Ayrshire, who had early in life taken to a scalaring career, and had risen in the service by his own ability. The war being over, Captain Allan cast about for some new employment, and eventually, in 1810, built at Irvine the brigantine Jean, and the same year set sail in her from Greenock for Quebec with a view to opening up trade with Canada—then just beginning to attract the more adventurous spirits in the world of commercial enterprise. The first voyage of the Jean to Canada proved very successful, and the trade was so profitable that Captain Allan established a regular service of four large clipper packets, himself taking command of the Favorite.

Thus was inaugurated the service which developed into the famous Allan Line, the oldest of the North Atlantic steamship companies running to Canada At that time the navigation of the St. 1: wrence, always difficult, was far more formidable than it is now, for the channel was badly lighted, and the pilots were frequently incompetent. There were no wharves then at Montreal: vessels had to be towed up St. Mary's Current by exen, and cargoes unloaded by means of planks from the ships to the shore.

The perils and hardships of those days are described in a little booklet called "A Short History of a Great Steamship Company," written a year or two ago, by Mr. Randolph Carlyle.

"Anyone," he writes, "however lacking in imagination, could form at least a moderate idea of what it meant for Captain Allan to surmount in his day, with his fragile wooden vessels, the same winds, the

THE ROMANCE OF A GREAT TRANSATLANTIC LINE.

five sons, the eldest of whom, James Allan, and another, Bryce Allan, commanded ships of their father's fleet. James and his brother Alexander succeeded to their father's business in Glasgow under the style of Messrs. J. and A. Allan. Captain Bryce Allan settled at Liverpool, where he was agent of the line for twenty years. Meanwhile, the second son, Hugh—afterwards so well known throughout Canada as Sir Hugh Allan—who was born at Saltcoats in 1810, had, as a boy of fifteen, sailed with his father in the Favorite to Montreal, landing there in May 1826. A few years later he became a partner in the firm of Millar, Edmonstone and Co., of Montreal, as also did his brother Andrew; and in 1860, when Mr. Edmonstone retired, the firm took

THE LATEST ADDITION TO THE ALLAN LINE: THE "ALSATIAN," AS SHE WILL BE WHEN COMPLETED IN THE SPRING OF 1913

600 feet long, 17,000 tons, and 18-knot speed, is now being built for the Allan Line Messrs. W. Beardmore and Co., at Dalmuir.—[From a Drawing by J. Ross Melvelle.]

its present name, that of Messrs. Hugh and Andrew Allan. Thus, of the five sons of Captain Alexander Allan, the founder, three were in the old country and two in the new, all being concerned in the growing interests of the Allan Line. The quintet of brothers continued to manage the great business for forty years. The most prominent of all, Hugh Allan, was knighted by Queen Victoria, in 1871, for his services to Canadian commerce. A similar honour was Literwards conferred by King Edward on Sir Hugh's son, the present Sir H. Montagu Allan. He and his brother, Mr. Bryce J. Allan, and their cousins, Messrs.



small—from 350 to 450 tons—but fast, and specially built on the Clyde for coping with the spring ice in Canadian waters It was in 1852, a memorable year in the history of the firm, that sailing vessels were superseeded by a service of iron-screw steam-ships. The Atlantic and St. Lawrence Railway, from Montreal to Portland, had just been completed, and Hugh Allan saw that their vessels could call at Portfand in winter to connect with the new railway. Accordingly, the Allans and some other merchants formed the Montreal Ocean Steamship Company, and a contract was placed with William Denny, of Dumbarton, to build two iron steamers, the Canadian and the Indian.

These vessels had a gross tonnage of about 1700 tons, with engines of 350 horse-power; they were barquerigged, and cost some 250,000 dollars each; their speed was about eleven knots. These new boats were used as military transports during the Crimean War. In 1855 the Canadian Government made a contract with the Allans for the fortnightly conveyance of the mails, giving them a subsidy of 120,000 dollars a year, afterwards increased to 208,000 dollars, and later to double that sum for a weekly service. This naturally gave a great impetus to the line, and a number of new and improved steamers were built.

At first there were serious losses amongst the steamers running to the St. Lawrence, and insurance premiums became prohibitive. The Allans, however, did not despair, and eventually fortune turned, and for thirty-three years they lost only one ship, and that without loss of life. A memorable event in the evolution of the line was the introduction of turbine-engines in 1004, the first two boats thus fitted being the Victorian and the Virginian, each of 12,000 gross tonnage. The Allans were pioneers in putting the turbine theory into practice in ocean-going vessels. They were also the first to build an ocean steamer of steel, namely, the Buenos Ayrean, in 1881, and the first Transatlantic line to adopt bilge keels, in 1884, on the Parisian. The latest Allan liner



THE FIRST STEAM-SHIP OF THE ALLAN LINE: THE "CANADIAN," WHICH, WITH HER SISTER-SHIP THE "INDIAN," WAS PUT INTO SERVICE IN 1853

The "Canadian" was a vessel of 1700 tons (gross). Her dimensions were about 270 ft, by 34 ft. She carried a large cargo and about eighty first-class passengers, with emigrants in the steerage.

Titanic's wireless cry of distress, and immediately hastened to her aid, but were, unfortunately, too far away to be able to reach her in time.

To revert to early days—Captain Alexander Allan continued to command the Favorite until 1831, when he set up an office in Glasgow to promote the Canadian trade. He had

Hugh A. Allan and Andrew A. Allan, sons of Mr. Andrew Allan, succeeded to the management when the elder generation passed away.

The shipbuilding as well as the personal side of the story of the Allan Line is also of remarkable interest. The first vessels were, of course, sailing ships. They were



ALEXANDER ALLAN MADE HIS FIRST VOYAGE TO CANADA IN 1819. The "Jean" was a little sailing vessel of 169 tons. Her length was 76 ft. Captain Alexander Allan, the founder of the line, sailed in her from Greenock to Quebec in 1819.

is now being built by Messrs. W. Beardmore, at Dalmuir, and a duplicate steamer, the Calgarian, by the Fairfield Company, at Govan. In September 1900, the Canadian Allans bought out all the British shareholders save Colonel Smith Park, and have since carried on the line, with even greater success than in the past

# THE SCIENTIFIC ROAD TO SEAMANSHIP: STUDY ON ROOF AND IN ROOM.

PHOTOGRAPHS SPECIALLY TAKEN FOR "THE ILLUSTRATED LONDON NEWS," Cearning bow to Adjust a Ship's Compass for the Various Magnetic Forces Generated in the Steel Bull of a Vessel: Students Using the Deviascope, on the Roof. Cearning the "Rules of the Road": Future Officers in the Mercantile Marine Studying their Profession with the Aid of Models and Special Compass.

FUTURE OFFICERS IN THE MERCANTILE MARINE LEARNING THEIR PROFESSION: CLASSES AT THE SCHOOL OF NAVIGATION OF THE ROYAL TECHNICAL COLLEGE, GLASGOW.

The photographs show future officers in the Mercantile Marine at work in the splendidly equipped and managed School of Navigation at Glasgow, which is fortunate in possessing several original and unique pieces of apparatus, in addition to those which are customary. Notable amongst the novelties is a large Deviascope mounted on the roof. This intrument, which consists of a revolving platform, mounted on a central axis, and operated by a steering-wheel and gearing, is designed for experimental work in adjusting a ship's compass for the Various magnetic forces which are generated in the steel hull of a ship. The compass, which

is the pattern designed by the late Lord Kelvin, who did more than any other scientist to simplify the practical work of navigating a ship, commands a complete sweep of the sky-line, which is an essential condition in accurately gauging the variable errors that affect the direction of the needle. The several fittings near the compass are of gun-metal, to eliminate as much as possible the erratic effects of extraneous metal, and to admit of delicate experiments being made. The students stand on the platform and are carried round with it as it revolves, so that the operation of "swinging ship" is made as nearly practical as is possible on shore.

A PROSESSENT MAMERIC OF THE



IN the sixth cen-

FOUNDED IN ACCORDANCE WITH A BULL OF AUTHORISATION ISSUED BY POPE

NICHOLAS V. IN 1450 + GLASGOW UNIVERSITY,

HOME OF A COLLECTION BEGUN IN 1870, IN THE OLD MANSION HOUSE



Comed a few months after having found themselves once again dwelfers in the second city of the United Kingdom in regard to population, units of 1,000 Co., as compared with the \$40,372 of Birreparts of this proud position they have to thank the situation of the city, the ability of their forebears and themselves, and the enterprise that has distinguished them and is made evident through their representatives, the Civic Fathers, have just aroused so much in-terest on all sides, and footed the necessary bill. But that festival, after all, was comparatively a minor matter, save historically, a pageant of thanksgiving for prosperity, and an outward and visible sign of that ex-cellent state.

OF KELVINGROVE: THE KELVINGROVE ART GALLERY AND MUSEUM. SERUNGHOUSE THE MELTHONOUSE AND MURITIME.

System, also of the electricity gas, and state of indication to element which had proved of pioneers, the Corporation gave Glagow its first transvars that two proceeding centuries, and an Act of in 1932; in 1850; it took over the works of the Chiagow and improve "the channel from Dumbroth Food" with Tay and those of the Chity and September Gas with the Chiagow and improve "the channel from Dumbroth Food" with Tay and those of the Chity and September Gas with the Chiagow and the Chity and September Gas with the Chiagow and the Chity and September Gas with the Chiagow and the Chity and September Gas with the Chiagow and the Chity and September Gas with the Chiagow and the Chity and September Gas with the Chiagow and the Chity and September Gas with the Chiagow and the Chiagow and the Chity and September Gas with the Chiagow and the Chity and September Gas with the Chiagow and the Chity and September Gas with the Chiagow and the Chity and September Gas with the Chiagow and the Chity and September Gas with the Chiagow and the Chiagow and the Chity and September Gas with the Chiagow and the Chity and September Gas with the Chiagow and the Chity and September Gas with the Chiagow and the Chity and September Gas with the Chiagow and the Chity and September Gas with the Chiagow and the Chity and September Gas with the Chity and C

HEADQUARTERS : OF GREAT AND FAR - REACHING CIVIC



TERPRISE: THE MUNICIPAL BUILDINGS, GLASGOW.



ONE OF NUMEROUS INSTITUTIONS MAINTAINING THE HEALTH

one many lays for the role of machine and property of the property of forming a public park marks as earn in the hastery of property of the pr

the For PRIMERENAL PROPERTY AND A COOPER AND





ON THE SITE OF A CHURCH ERECTED IN THE SIXTH CENTURY BY ST. MUNGO:



MR. JOHN LINDSAY, T.P.



SOURCE OF THE MUNICIPAL WATER-SUPPLY: LOCH KATRINE, 34) MILES FROM GLASGOW BRIDGE - THE ISLANDS.



A CENTRE OF MUCH ACTIVITY IN A GREAT SCOTTISH CITY: CHARING CROSS, GLASGOW.



FORMERLY CONNECTED WITH THE EAST END OF THE TOLEOOTH:



IN ONE OF THE FINEST OF GLASGOW'S MANY EXCELLENT "LUNGS": QUEEN'S PARK PONDS.



### A RECORD OF CONTINUAL GROWTH: THE PROGRESS OF THE CLAN LINE:

THE story of the Clan Line of steamers is a record of rapid and richly deserved progress.

Established in 1878 by that well-known expert in shipping matters who is now Sir Charles Cayzer, Bt., of Gartmore, Co. Perth, it was at first an affair of half-a-dozen vessels, designed to trade between this country and Bombay. In the year of its foundation, in fact, it was represented by but two steamers affloat, and it was only in 1879 that the six were in service. That was a sufficiently humble beginning; but it opened the way to much business. In 1880 the Line still had the six ships, with a gross tonnage of 23,730; in 1882, twenty-two, gross tonnage of 23,730; in 1882, twenty-two, gross tonnage 53,564; from 1883 until 1890, twenty-four, gross tonnage 70,483; from 1880 until 1890, twenty-four, gross tonnage 73,606; in 1892 and 1893, twenty-eight, gross tonnage 73,606; in 1892 and 1893, twenty-eight, gross tonnage 83,636; in 1894, thirty-one, gross tonnage 83,636; in 1896, thirty-two, gross tonnage 83,636; in 1896, thirty-two, gross tonnage 192,821; in 1901, forty-five, gross tonnage 192,533; in 1902, forty-four, gross tonnage 193,83; in 1908, fifty, gross tonnage 193,803; in 1908, fifty, gross tonnage 193,803; in 1908, fifty, gross tonnage 193,803; in 1908, fifty, gross tonnage 206,212; in 1901, fifty-one, gross tonnage 202,622; in 1911, fifty-six, gross tonnage 224,9000.

It was in 1881 that the service from Glasgow and Liverpool to South

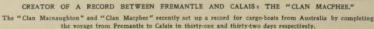
FOUNDER AND CHAIRMAN OF THE CLAN LINE: SIR CHARLES CAYZER, BY

African ports was inaugurated; a year later came the first sailings of a new service from Glasgow

and Liverpool to Colombo, Madras, and Calcutta. Subsequent years saw a great extension of the Line's operations, and regular services are maintained from Glasgow and Liverpool to Bombay, Malabar Coast ports, Colombo, Madras and Calcutta, Chittagong, South Africa, and to East Africa, via the Suez Canal, whilst from New York a regular service to South Africa is also kept up.

The Clyde has received orders for two additional steamers, which are to be ready in 1913, and will bring the gross tonnage to about 260,000. The vessels added in 1911 and this year were built for the Australian trade, and are exceptionally fine, being about 450 feet in length, of the shelter-deck type, and having clear holds for the carriage of bulk cargo. Further, several of them are fitted for the conveyance of refrigerated cargoes. Two of them, the Clan Macnaughton and Clan Macphee, have recently shown their power by completing the voyage from Fremantle to Calais in thirty-one and thirty-two days, respectively, thus setting up records for cargo-boats from Australia; while the Clan Macrae discharged in London the other day, in exceptionally fine condition, the first cargo of Tasmanian apples.

The head office of the Company is at Glasgow. Sir Charles Cayzer, the founder, is Chairman both of the Clan Line Steamers, Ltd., and of the Manager's firm, Cayzer, Irvine, and Co., Ltd., who have branches in London, Liverpool, and Manchester. Further, he is a Justice of the Pacace, and Honorary Colomel of the sat as Member of Parliament for Barrow-in-Furness, the first Conservative who had ever represented that constituency.





IN MESSRS HARRISON, AND CO.: MR. LEONARD GOW, J.P.
Photograph by Annan

business. Fifteen years afterwards, Mr. Allan C Gow died, and was succeeded, as senior partner, by Mr. Leonard Gow senior, who, with Mr. James McGregor, started the Glen Line of steamers, trading between London, the Straits, and China. This was a year after the Suez Canal was opened; and for many a year to follow, when the China tea race was still one of the features of the shipping business, the firm's vessels had the honourable distinction of bringing in the first new season's teas from the Celestial Kingdom. With Allan-C. Gow and Co., the present Mr. Leonard Gow and Mr. John R. Harrison worked for a good space; then the latter, who served his apprenticeship in a shipbroker's office at Newcastle-on-Tyne, joined the firm of P. H. Dixon and at Newcastle-on-Tyne, joined the firm of P. H. Dixon and Harrison, ship owners and brokers and insurance agents. Later, soon after the death of his partner, Mr. Harrison amalgamated his interests with those of Mr. Leonard Gow. in

# A FIRM FAMED IN GLASGOW & ABROAD: Gow, HARRISON, & C2.

THE firm which bears THE firm which bears the style of Gow, Harrison, and Co. rests on the firmest of foundations—age, and the experience which comes with it. Some seventy-two years ago, Allan C. Gow and Co. was inaugurated, based on an old family shipping has won such high rank, acts as ship-owners, ship-brokers,

has won such high rank, acts as ship-owners, ship-brokers, coal-exporters, and insurance brokers, and manages a fleet of seventeen high-class cargo-steamers.

Mr. Harrison, it may be noted, is a Director of Lloyd's Register of Shipping, Bureau Veritas, ex-President of the Clyde Steamship Owners' Association, President of the Cumberland and Westmoreland Association of Glasgow, and a Director of the Empress training-ship. It may be added, too, as a matter of more than common social interest, that three years ago he purchased the Scalesceugh

Mr. Leonard Gow comes, Mr. Leonard Gow comes, as has been indicated already, of a family long noted in the city of St. Mungo. His father, Mr. Leonard Gow, LL.D., J.P., was a prominent figure in the public and commercial life of Glasgow for over half a century, and not



PARTNER IN MESSRS. GOW, HARRISON, AND CO.: MR. JOHN R. HARRISON.

THE FLEET MANAGED BY GOW, HARRISON, AND CO. ONE OF THE FIRM'S FINE STRAMERS Messrs, Gow, Harrison, and Co, manage seventeen high-class steamers, and are ship-owners, ship-brokers,

those of Mr. Leonard Gow junior; and thus 1895 saw the two former colleagues sole partners in the company which members of his family for over two hundred years.

only a successful shipowner, but a philanthropist who did much for his less fortunate fellow - citizens. His great-grandfather, James Carswell, built a very considerable part of the Royal Exchange district of the city, so the present Mr. Leonard Gow has unusual traditions behind him: that he has followed them worthly is very evident. His interests are many: he is a J.P., a director of the North of England Protecting and Indemnity Association, the Glasgow Shipowners' Association, the Glasgow Shipowners' and Shipbrokers' Benevolent Association, the Glasgow Scamen's Friend Society, treasurer of the Glasgow Branch of the Royal National Lifeboat Institution, and a member of the general list of managers of the Glasgow Savings Bank. Mr. W. G. Forsyth and Mr. William McInnes, who for many years have been identified with the business, who for many years have been identified with the business, who for many years have been identified with the business, so Gow, Harrison, and Co.

AFAMOUS SHIPPING FIRM: THE DONALDSON LINE.



SCOTTISH MUSIC ABOARD A DONALDSON LINER AN EMIGRANT PIPING ON DECK

N 1855, the port of Glasgow saw the birth of the firm of

AN EMGRANT PIPING ON DECK.

IN 1855, the port of Glasgow saw the birth of the firm of Donaldson Brothers, owners of the Donaldson Line; and, like most other shipowners of that time, the original founders, Messrs. William F. Donaldson and John Donaldson, opened offices in what was then the shipping quarter of the town, Buchanan Street. William F. Donaldson is now represented, it is interesting to remark, by two of the present partners in the firm, his sons, Messrs. William B. Donaldson and N. P. Donaldson; and John Donaldson by his sons, Messrs. William C. Donaldson and Charles Donaldson.

In 1858, with the little wooden barque Joan Taylor, of 299 tons, the Donaldson Line inaugurated its service between Glasgow, Liverpool, and South America. The next ten years witnessed additions to the fleet in the shape of the sailing-vessels Mary Falconer, Margaret Falconer, Parama, Maranon, and Imuncina.

Iron at this time was gradually displacing wood in ship-construction, and the building of the composite sailing-vessel Colorado was the Line's first venture in other than wholly wooden vessels. A still further advance in building construction was marked by the launch of their first iron vessel, the barque Miami, of 498 tons, in 1867. Further additions to the fleet

the advantages, geographical and otherwise, of St. John, New Brunswick, have so manifested themselves that this port has become the winter port of call, and a regular weekly sailing has for some years been in institution. In addition, in the summer months, a three-weekly service is also maintained to this port. About the year 1887, the Line made Baltimore in the State of Maryland the chief port of call in the United SETTING OUT FOR CANADA: PASSENGERS and Engineering Co., Ltd., Greenock, the t.-s.s. Cassandra, of 10,000 tons; in the early part of 1910 added the twin-screw steamer Salurnia, of 10,000 tons, built by Messrs. Charles Connell and Co., Ltd., Whiteinch; and in the present year, with the acquisition of the t.-s.s. Letilia, of 10,000 tons, built by Messrs. Scott, they have a regular weekly passenger service to Canada all the year round. The Donaldson Line, from the very commencement of their passenger service, recognised that the predominating demand was for second and third class accommodation. They have accordingly built all their steamers for these classes only. No first-class passengers being carried, second-class accommodation has been erected in the steadiest part of the steamers—viz., amidships, and, in consequence, promenade decks, etc., for second-cabin passengers are particularly extensive. Cabins are fitted up for two and four persons, and the appointments, fittings, and furnishing of these are on the most modern lines. No effort also is spared to make the ocean journey not only a necessity to some, but a pleasure to all. Large recreation-rooms, smoking-rooms, music-rooms, smoking-rooms, music-rooms, showing-rooms, music-rooms, smoking-rooms, music-rooms, and the appointments all play their part with this end in view. The Donaldson Line have taken a prominent LEAVING PORT ABOARD A DONALDSON LINER.

AS IT WAS IN THE DAYS OF THE SAILING-SHIP: THE DONALDSON LINER "MARANON OF THE MIDDLE NINETEENTH CENTURY.

States, and, with the vessels of their own fleet, they have given a splendid service to that port, and also a few years later inaugurated a service to Newport, New Virginia, and have maintained both connections down to the

Newport, New Virginia, and have maintained both connections down to the present time.

Although the Donaldson Line had always made it their first aim in business to bring their steamers absolutely up to date for the carriage of live stock and all classes of freight, yet it is only within recent years that they turned their attention towards the passenger business. In 1904 it was felt that the time had come when the Line should take the place in the Canadian passenger trade which their long, connection with Canada warranted; and with this end in view they built the new twin-screw passenger-steamer Athenia, of 10,000 tons, with accommodation for about 280 second-cabin and about 400 third-class passengers. An immediate success met their enterprise, The Athenia stepped into instant popularity, not only with the emigrant classes, but with the many representatives of British and Canadian firms whose business compels them to make frequent trips across the Atlantic. The Athenia made her maiden trip in the passenger trade in March of the year 1905, and has maintained a regular passenger



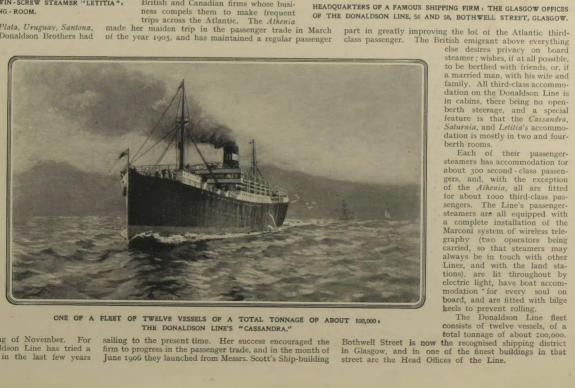
HEADQUARTERS OF A FAMOUS SHIPPING FIRM: THE GLASGOW OFFICES

THE SMOKING - ROOM.

ON THE DONALDSON LINE'S NEW TWIN-SCREW STEAMER "LETITIA".

in the next few years were the La Plata, Uruguay, Santona, Chilian, and Perwian. Hitherto Donaldson Brothers had contented themselves entirely with a fleet of sailing-vessels, but with the building of the s.s. Astarte, of 863 tons, in 1870, they took the first step towards what was to prove the relinquishing of the sailing-vessel for the steamer, this vessel being followed by the s.s. Marina, Cybele, Colina, Eirene, Cynthia, and Titania.

It would be superfluous to trace the growth of the Company down to the present time. Sufficient is it to state that in the year 1876 they made their first entrance into the port of Montreal, dispatching the s.s. Colina with a general cargo. This voyage had far-reaching effects. So favourably impressed were they with Canada and with tho advantages of Montreal over other Canadian ports, that the voyage was repeated, and in the course of time ultimately led to the establishment of regular "Liner" sailings to Montreal in the summer months. Montreal became then, and has continued since to be, the chief port of call for the Donaldson Line in the summer time, a weekly sailing being maintained from the middle of April until the beginning of November. For their sailings in winter the Donaldson Line has tried a number of ports in Canada, but in the last few years



TWELVE VESSELS OF A TOTAL TONNAGE OF ABOUT 100,000 a
THE DONALDSON LINE'S "CASSANDRA."

sailing to the present time. Her success encouraged the firm to progress in the passenger trade, and in the month of June 1906 they launched from Messrs. Scott's Ship-building



OF THE DONALDSON LINE, 56 AND 58, BOTHWELL STREET, GLASGOW.



OF STEEL SIMILAR TO THAT USED FOR ARMOUR-

rock was broken by drilling and blasting, but that apo, sub-aqueous coatly, particularly in the case of the harder kinds of rock which necessitated the use of diamond drills. Moreover, the explosives often

THE most stubborn and in-tractable substance with which the en-

All these difficulties have

How the Engineer Overcomes
How the Engineer Opponent:
His most stubborn opponent:

kentiese, on the Clyde, six

Mo. B. C. Lousser,
miles before Glagger, is too.

Mo. Proposed Book Certification and the miles before Glagger, is too.

Mo. Proposed Book Certification and the proposed Book Certif The cutter delivers blows on the same spot until it has penetrated about three feet nin the track of the same spot until it has penetrated about three feet nin the same spot until the same spot of the same spot of the same spot of the same spot of penetrate the cutter is repeated. From ten to twenty blows are usually required at each spot to penetrate the rock to a depth of the same spot to penetrate the rock to a depth of the same spot to penetrate the rock to a depth of the same spot to penetrate the rock to a depth of the same spot to penetrate the rock to a depth of the same spot to penetrate the same sp

there ford at a time, the first layer of broken rock being dregled away before branking the second layer. One great advantage of the Lobnitz rock-outler is it.

One great advantage of the Lobnitz rock-outler is it.

One great advantage of the Lobnitz rock-outler is it.

One great advantage of the Lobnitz rock-outler is it.

Silkhold labour is not required, the appearants being easily weeked by an outleany even with ra liftle superless. The amount of the working hours is one too.

After the rock is broken by pressure on of the "cutter," the After the rock is broken by pressure on the "cutter," they will be a superless of the cutter with the cutter system the removal of the broken rock is as easy as colliancy hand-dredging, for the "cutter." leaves the defination of the cutter of the cutter

HOW A DREDGER WORL

The years is fitted with a "Rollinson" cutter,

Means. Lobairs to the Expirion Govern-Many engineering works of great mac-terial with a powerful rotary day-cuttle designed by Ma. A. W. Robinson. Means are supported with a rotar made in special form, to or heavy dis-duction of the control of the control of the control of the with as little resistance as possible, and its light, for the Sare Canal Company with as little resistance as possible, and all the larriers shade in all light, for the Sare Canal Company

ME USE OF EXPLOSIVE: A BARGE FITTED WITH A PATENT LOBNITZ ROCK - CUITER. The actual recircuiter is the heavy vertical stort cisted chisel in the centre, which is dropped on the rock and breaks it by the free of its own weight and fall.

DOER FOR DREDGING CLAY, RTC.

The Normal Rame of the Marketine of Companies of the Parketine of Companies of the Parketine of Companies of the Canada of the C

THE PRESENT HEAD OF THE

Callad, W. W. H. Darter, in a work at 187th, described the sure work at 187th, described the sure was a construction of the co

they have built more than a

TO WEST

The illustrating gives a striking idea of the size of the buckets on the Lebnitz rock-drefigers. An advantage of their recil-cutter system is that it breaks up the rock into piece of a size easily drefged. For good-drefging the buckets are much smaller.

ing. If orientable pens that the richest gold, owing to its weight, is found at the lowest depths. Messrs. Lobnitz make a point of designing every gold-dredger to suit the conditions of the locality. It may be added that they have



ERECTED COMPLETE FOR SHIPMENT IN PIECES TO WEST AFRICA. Means, Jobaitt have the note rights for the patent propulsion acrees for gold-dredgers. It acts like a reddle in separating the gravel, the line material bring cought on gold-saving tables as usual, while the cores material to discharged at the end of the proposion screes. The gravel is accessible and virible white being separated.



RUPPLIED BY MESSAS, LOBNITZ TO THE ECUPTIAN GOVERNMENT FOR USE ON THE UPPER WHITE NILE.

The relary culter is of the Robinson improved type, of cast sleet, with renewable culting edges. This type of culter apparatus represents the latest development of hydraulic deedging in heavy thay solis. The strength and digging action of the outer-blades are fully equal to those of the buckets of the ladder type of deedger.

BUILT BY MESSRS, LOBNITZ FOR THE TONE RIVER, JAPAN: A LONGSHOOT



BUILT READY FOR TRIALS IN FOUR MONTHS: A NON-PROPELLING BUCKET-DREDGER

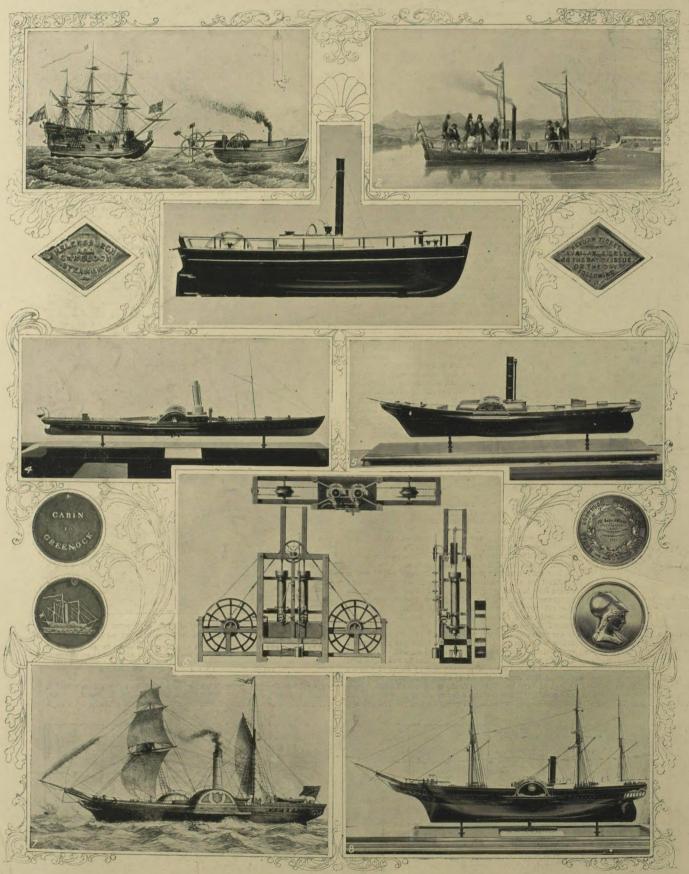


THE LADGEST BUCKET, DEPOSED APPART, BUILT BY BEGGO LODNING OND THE



### THE STEAM NAVIGATION CENTENARY AT GLASGOW: EARLY VESSELS.

PHOTOGRAPHS SPECIALLY TAKEN FOR "THE ILLUSTRATED LONDON NEWS."



- 1. PATENTED IN 1736 AS A STEAM-TUG: JONATHAN HULLS' STERN-WHEEL STEAMER.
- 2. UNDER STEAM ON DALSWINTON LOCH IN 1989 PATRICK MILLER'S BOAT.
  3. BUILT BY ALEXANDER HART IN 1801. AND ENGINED BY WILLIAM SYMINGTON: THE STEARWHEEL STEAMER "CHARLOTTE DUNDAS"—A MODEL.
  4. THE FIRST STEAMER BUILT OF STEEL: THE PADDLE-STEAMER "WINDSOR CASTLE." CONSTRUCTED IN 1899—A HALF-MODEL.

Exhibition in the Kelvingrove Museum, Glasgow. In the border are (at the top) the two sides of a lead return ticket for the Helensburgh and Gareloch steamers; (below on the left) the two sides of a brass token, "Cabin to Greenoch"; and (below on the right) the two sides of the silver medal "presented to John Wood by the Royal Society in Edinburgh," in 1844, for his invention of a self-registering tide-gauge. With regard to other illustrations we may give the following notes: Hulls is said to have tried his scheme experimentally on the Avon in 1737, but abandoned it later. The "Charlotte Dundas" was 56 ft. long and was tried

- 5. BUILT IN 1830: THE PADDLE-STEAM-YACHT "MENAI"-A MODEL.
  6. WILLIAM SYMINGTON'S MARINE STEAM-ENGINE, MADE IN 1788: DETAILS.

- 7. THE FIRST BRITISH VESSEL TO CROSS THE ATLANTIC CONTINUOUSLY UNDER STEAM:
  THE PADDLE-STEAMER "SIRIUS" (BUILT IN 1887).
  8. THE FIRST CUNARD LINER (BUILT IN 1887): A MODEL OF THE PADDLE-STEAMER
  "BRITANNIA" (1154 TONS), WHOSE MAIDEN VOYAGE, TO BOSTON, WAS MADE IN 1840.

on the Forth and Clyde Canal, when it towed two vessels of seventy tons burden to Port Dundas at a speed of over three miles an hour against a head wind. The experiment was given up from fear of injury to the canal banks. The "Windsor Castle" plied between Glasgow and Rothesay, and was 190 ft. long by 20 ft. beam, and had a depth of 7 ft. 6 in. The "Menai" had engines of a nominal 110 horse-power and a tonnage of 230. Symington's engine was an atmospheric engine with separate condenser, and so was covered by Watt's patent; possibly this is why it was so soon abandoned. The "Sirius" (703 tons) crossed the Atlantic in April 1858. The passage from Queenstown to Sandy Hook took eighteen days.